

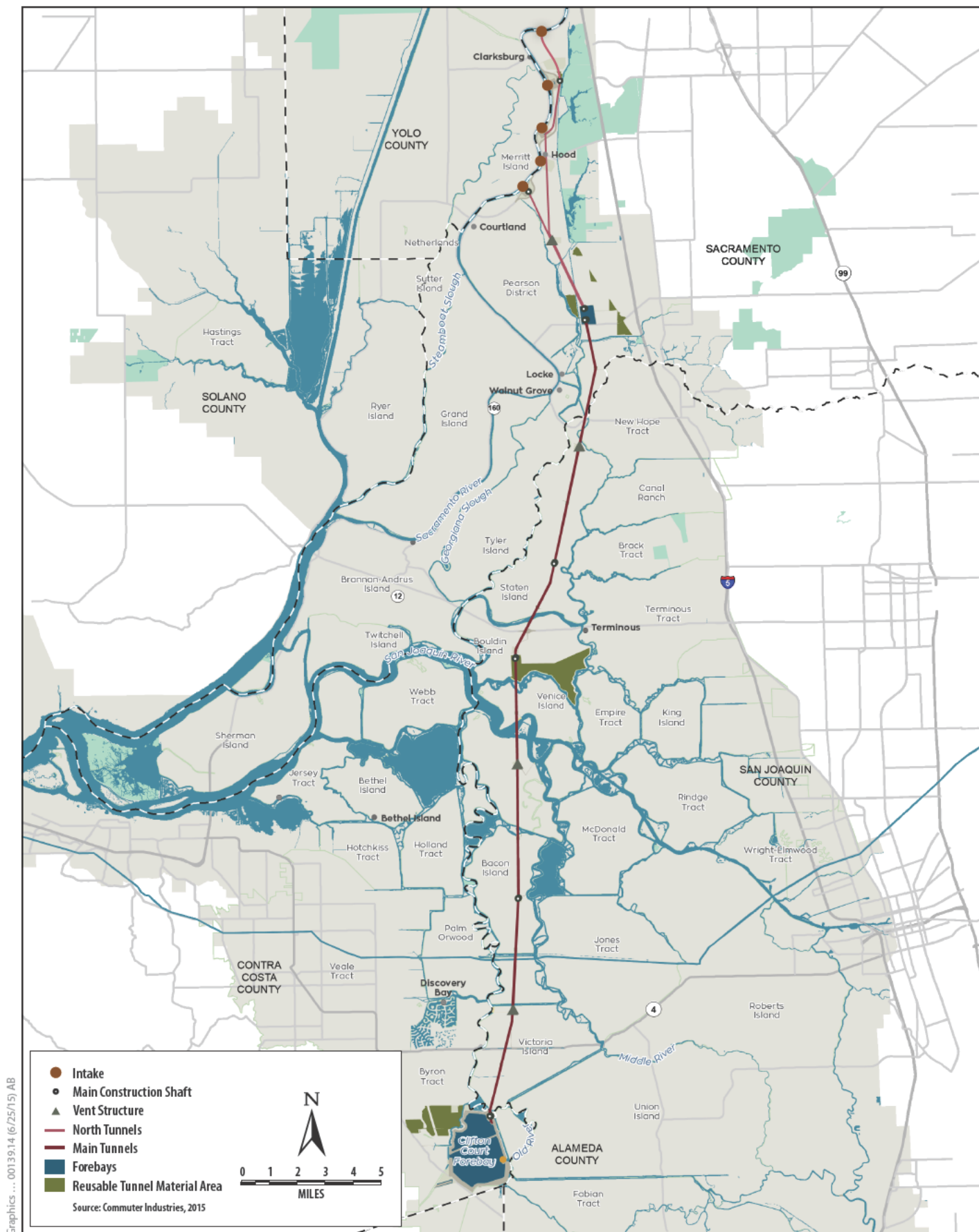
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2

3

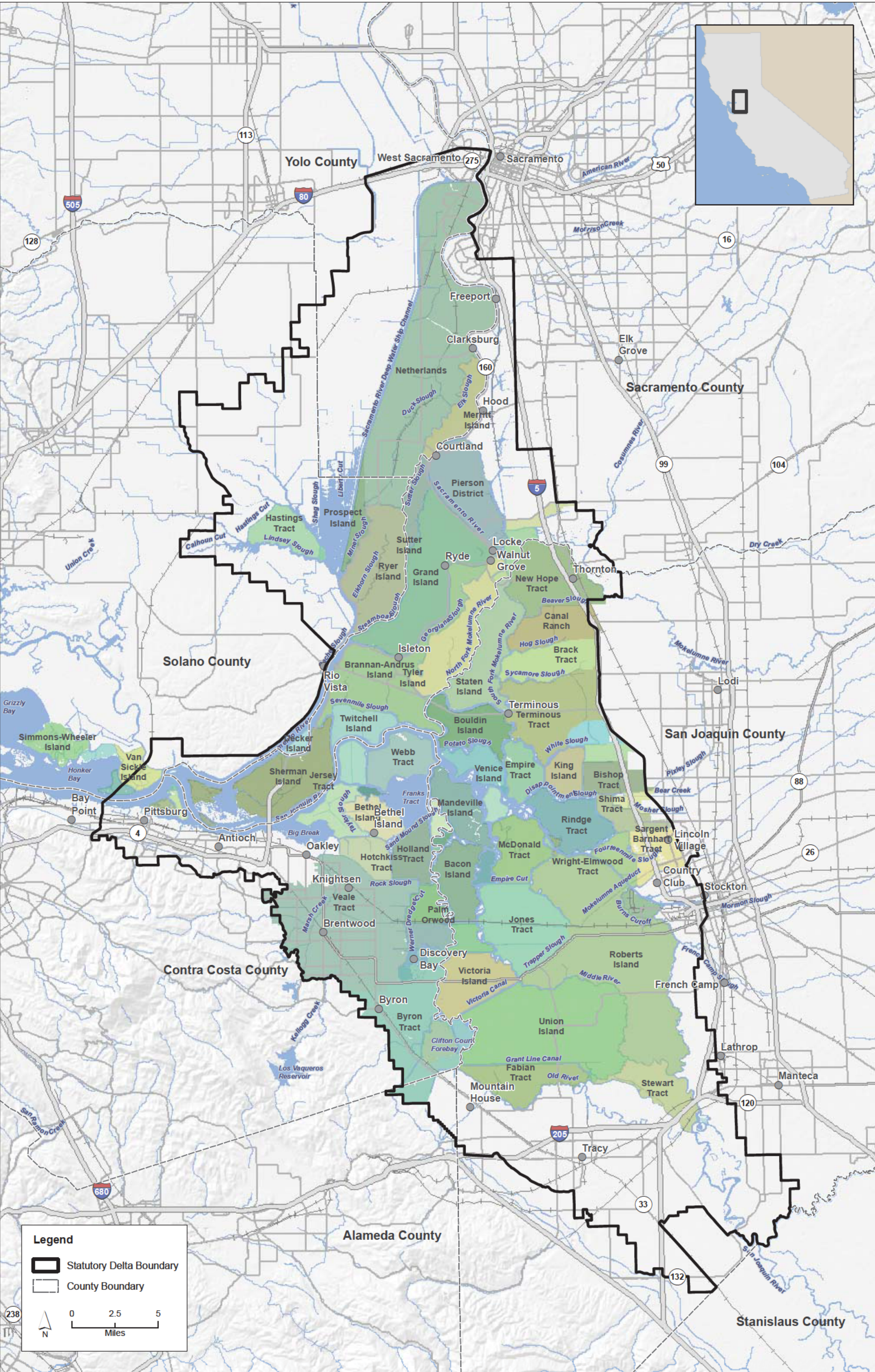
## Figures

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**Figure ES-1**  
**Location of Conveyance Facility Alignment**  
**for Alternatives 4, 4A, 2D and 5A**

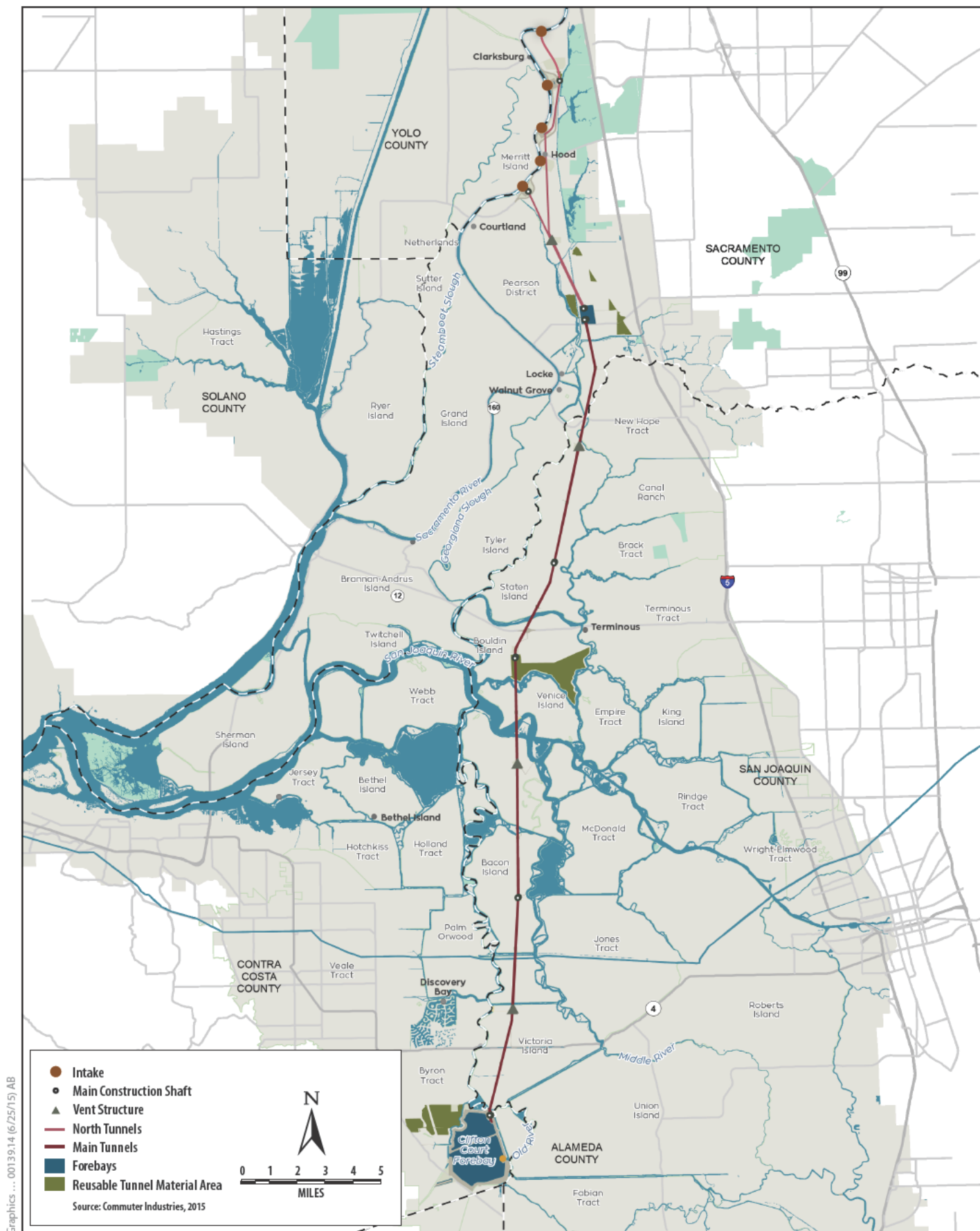




Sources: Plan Area, ICF 2012; Delta Boundary, DWR 2002; Islands, DWR 2004;

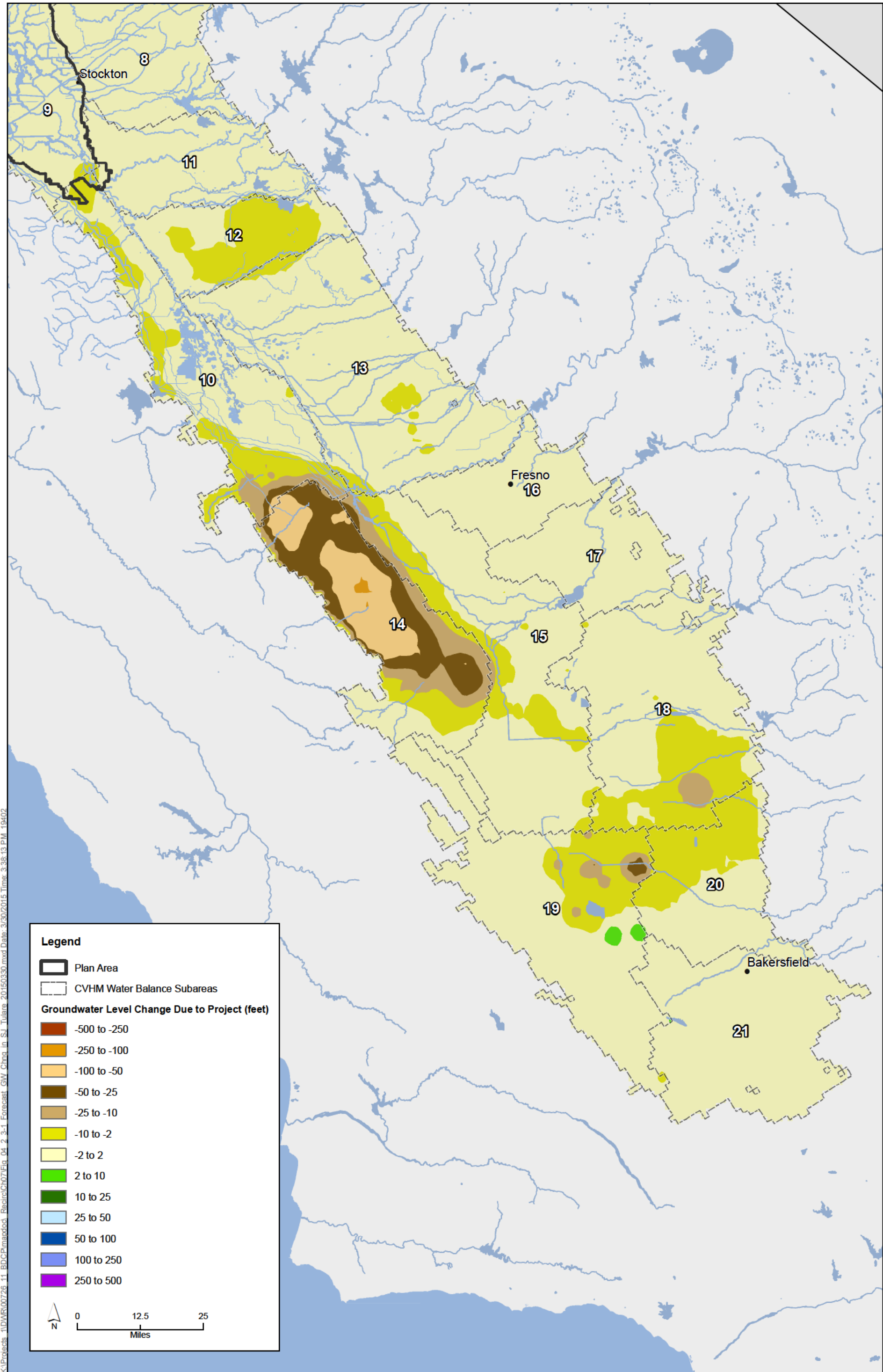
Figure 1-1  
The Sacramento–San Joaquin Delta





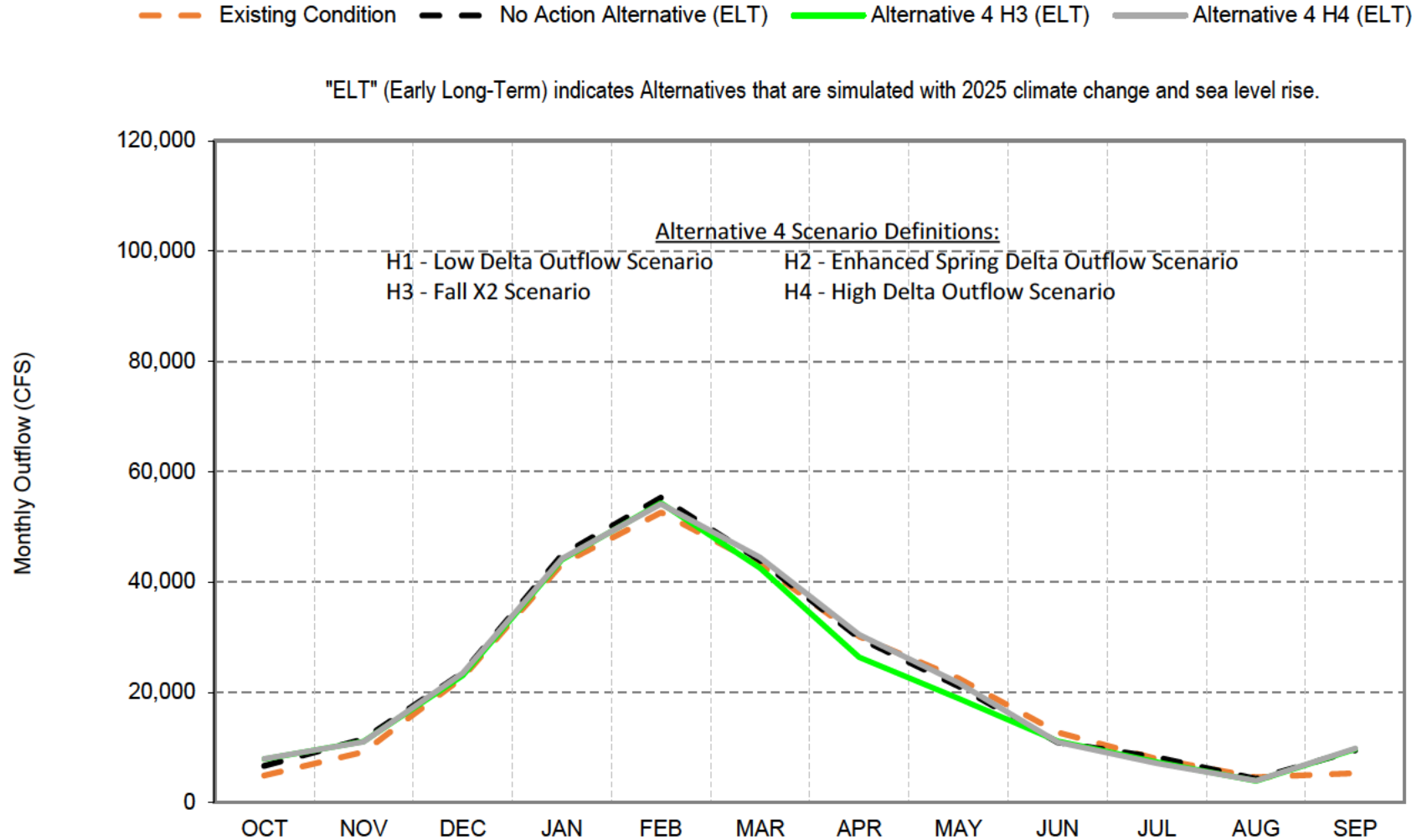
**Figure 4.1-1**  
**Location of Conveyance Facility Alignment**  
**for Alternatives 4, 4A, 2D and 5A**





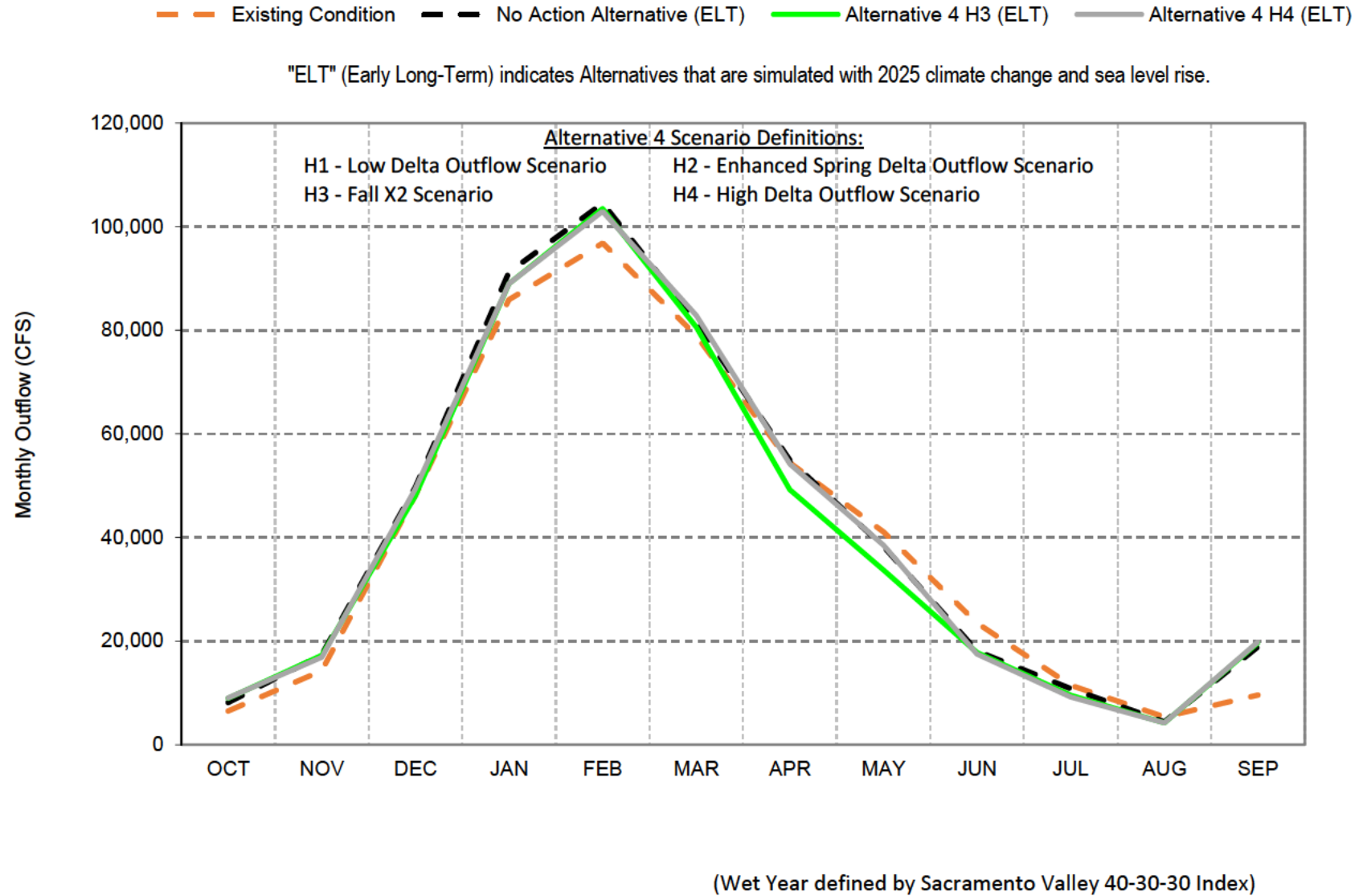
Sources: Plan Area, ICF 2012;  
Groundwater-level Impacts, CH2M Hill 2015

**Figure 4.2.3-1**  
**Typical Forecasted Peak Groundwater Level Changes in the San Joaquin and Tulare**  
**Export Service Areas for the No Action Alternative (ELT) as Compared to Existing Conditions**

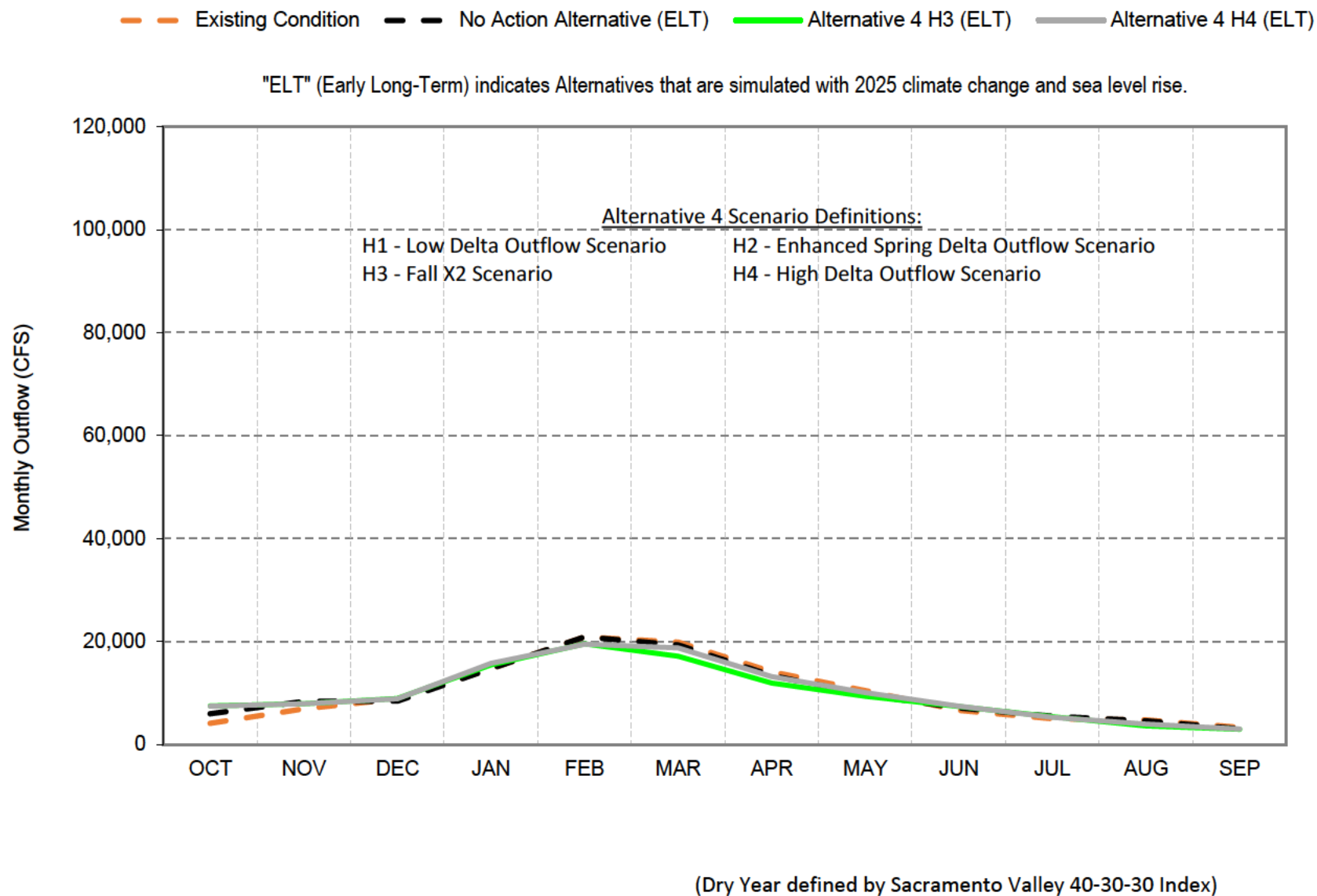


**Figure 4.3.1-1**  
**Sacramento/San Joaquin River Monthly Average Delta Outflow for Alternative 4A**



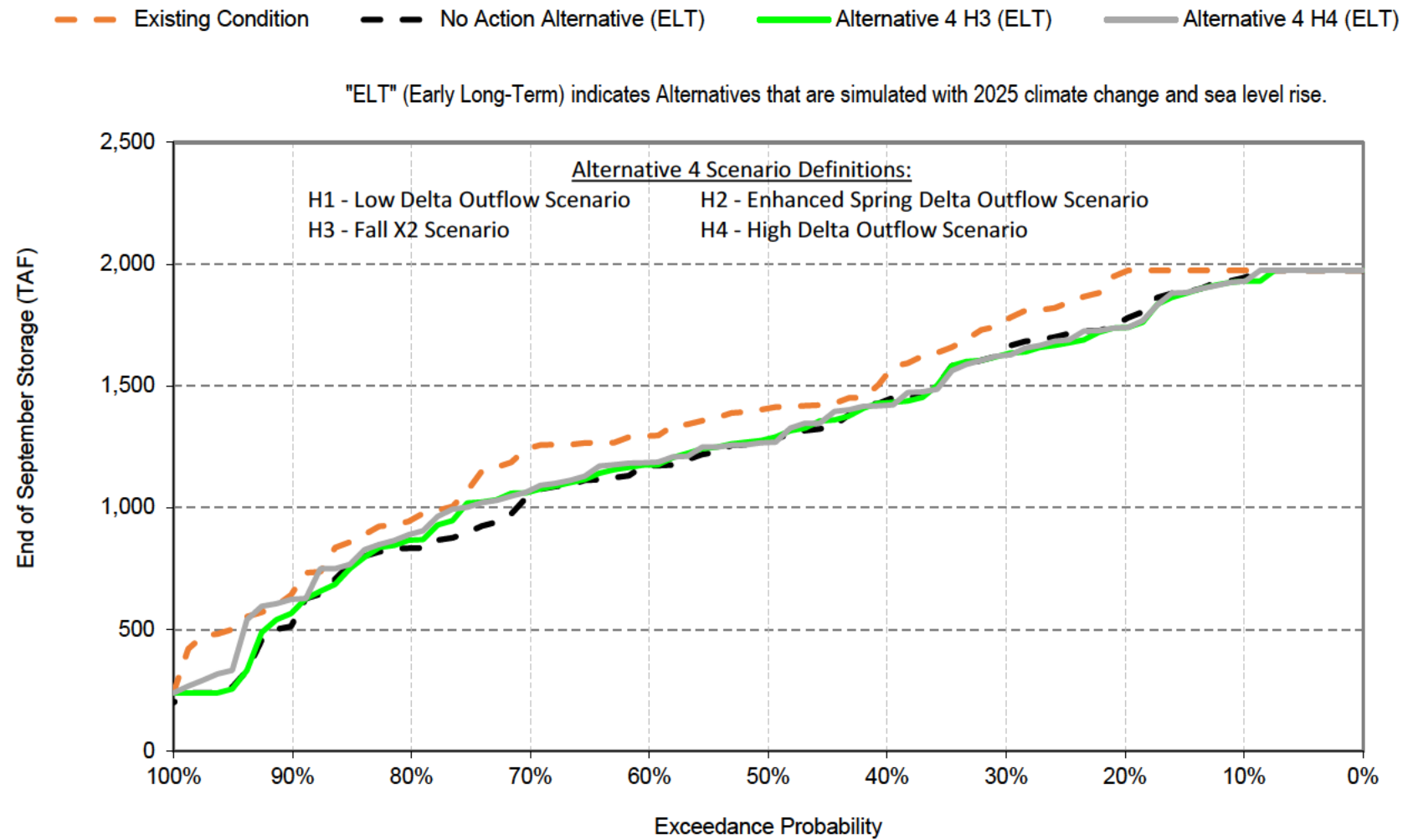


**Figure 4.3.1-2**  
**Sacramento/San Joaquin River Monthly Average Wet Year Delta Outflow for Alternative 4A**

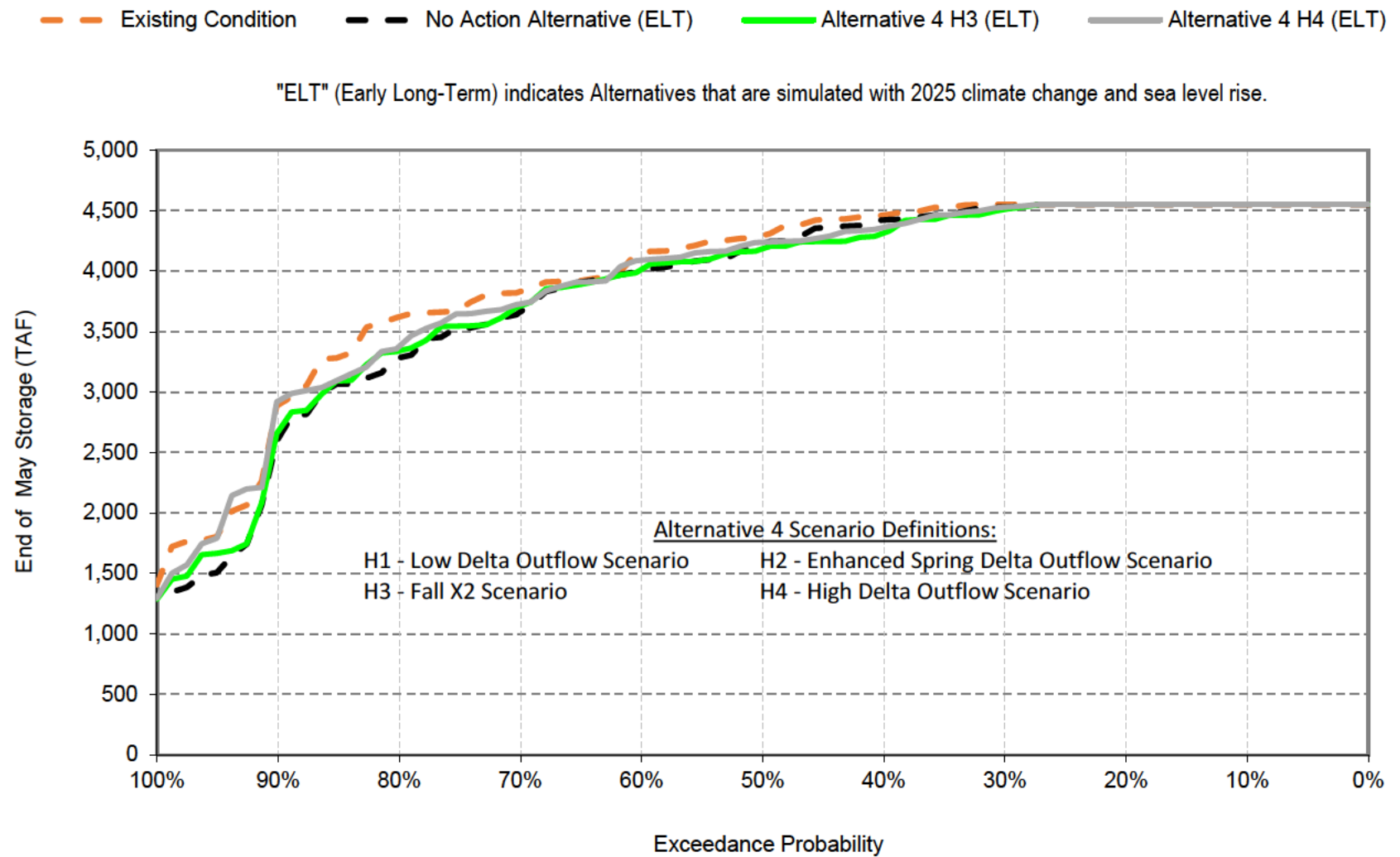


**Figure 4.3.1-3**  
**Sacramento/San Joaquin River Dry Year Monthly Average Delta Outflow for Alternative 4A**



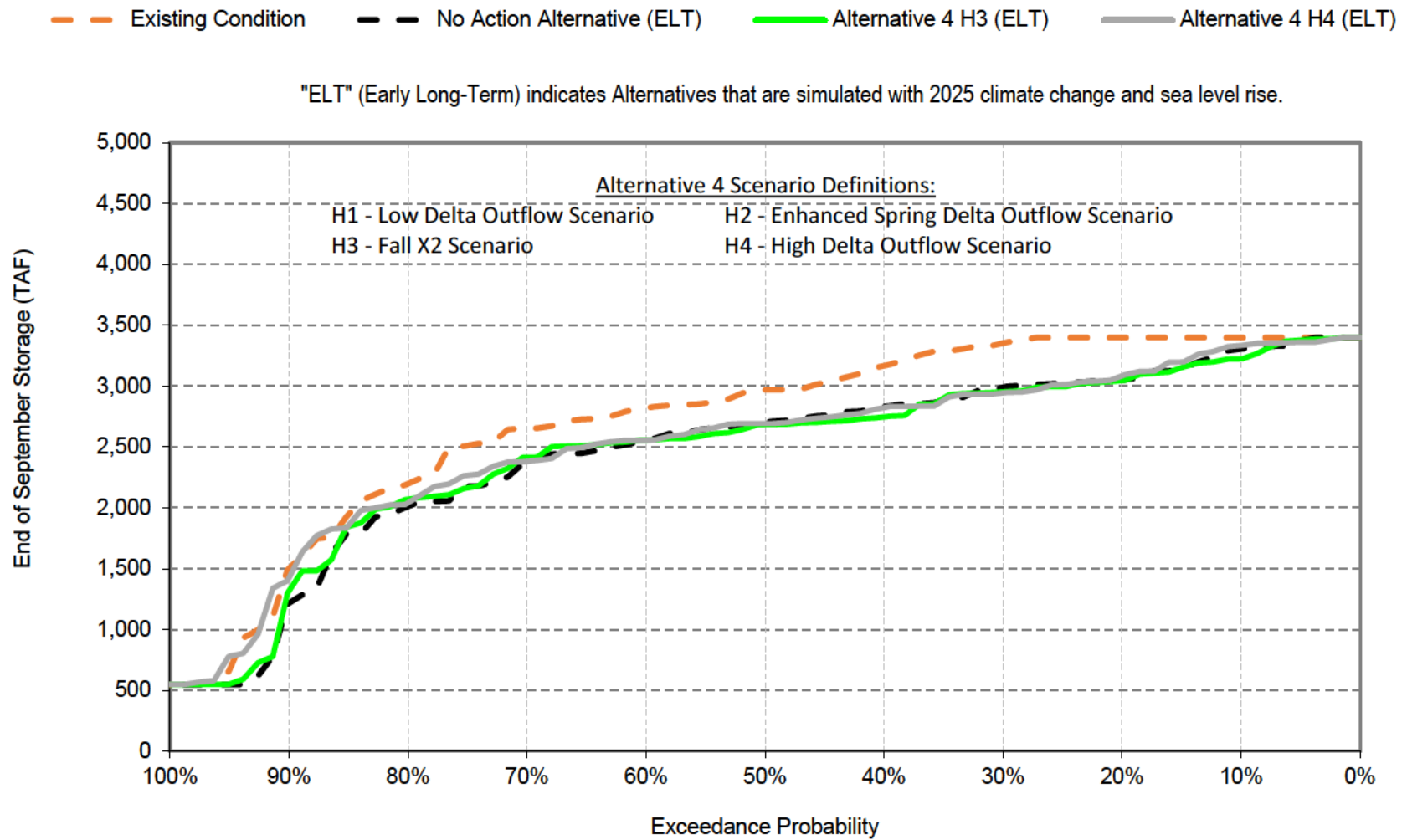


**Figure 4.3.1-4**  
**Trinity Lake End of September Storage for Alternative 4A**

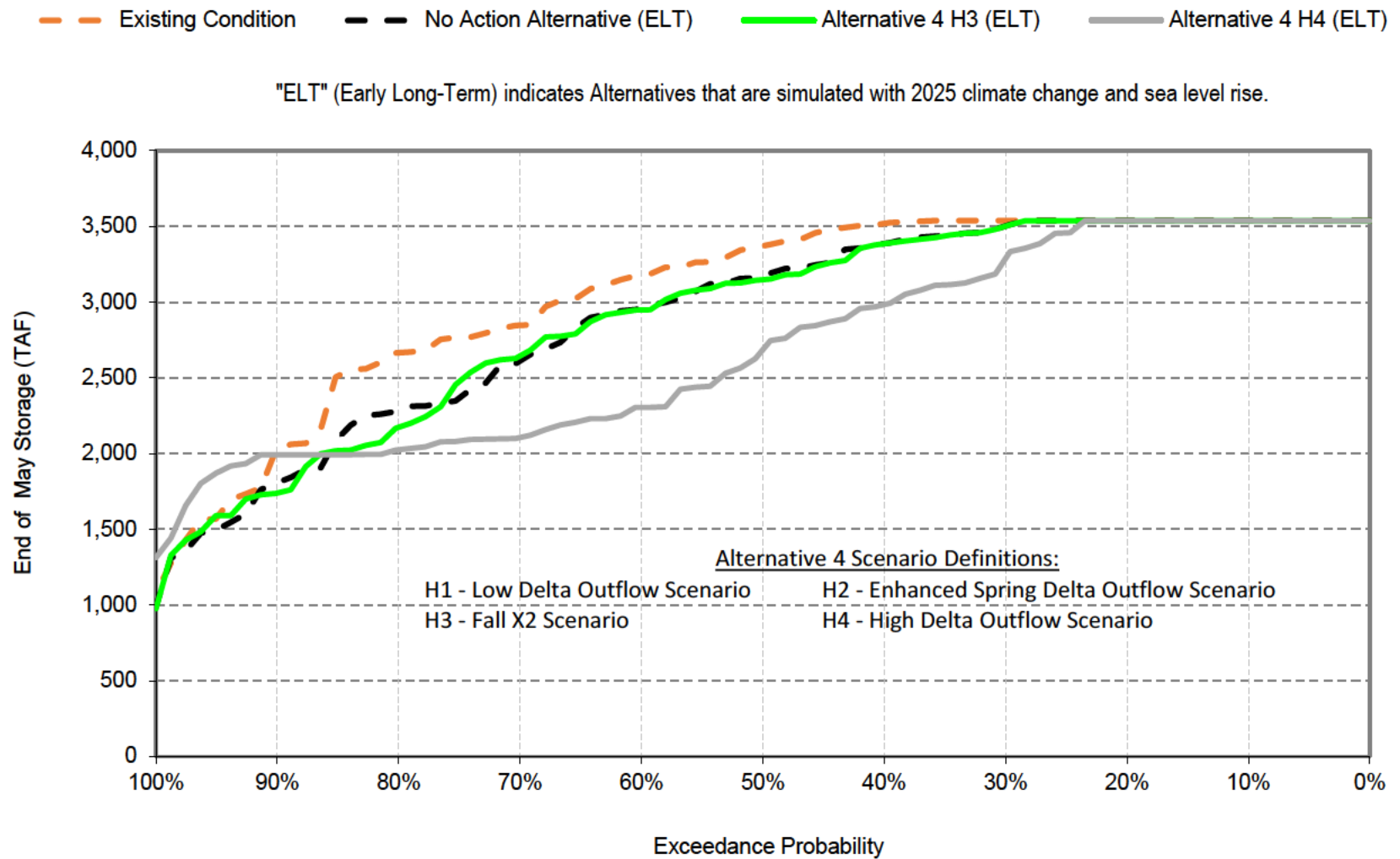


**Figure 4.3.1-5**  
**Shasta Lake End of May Storage for Alternative 4A**



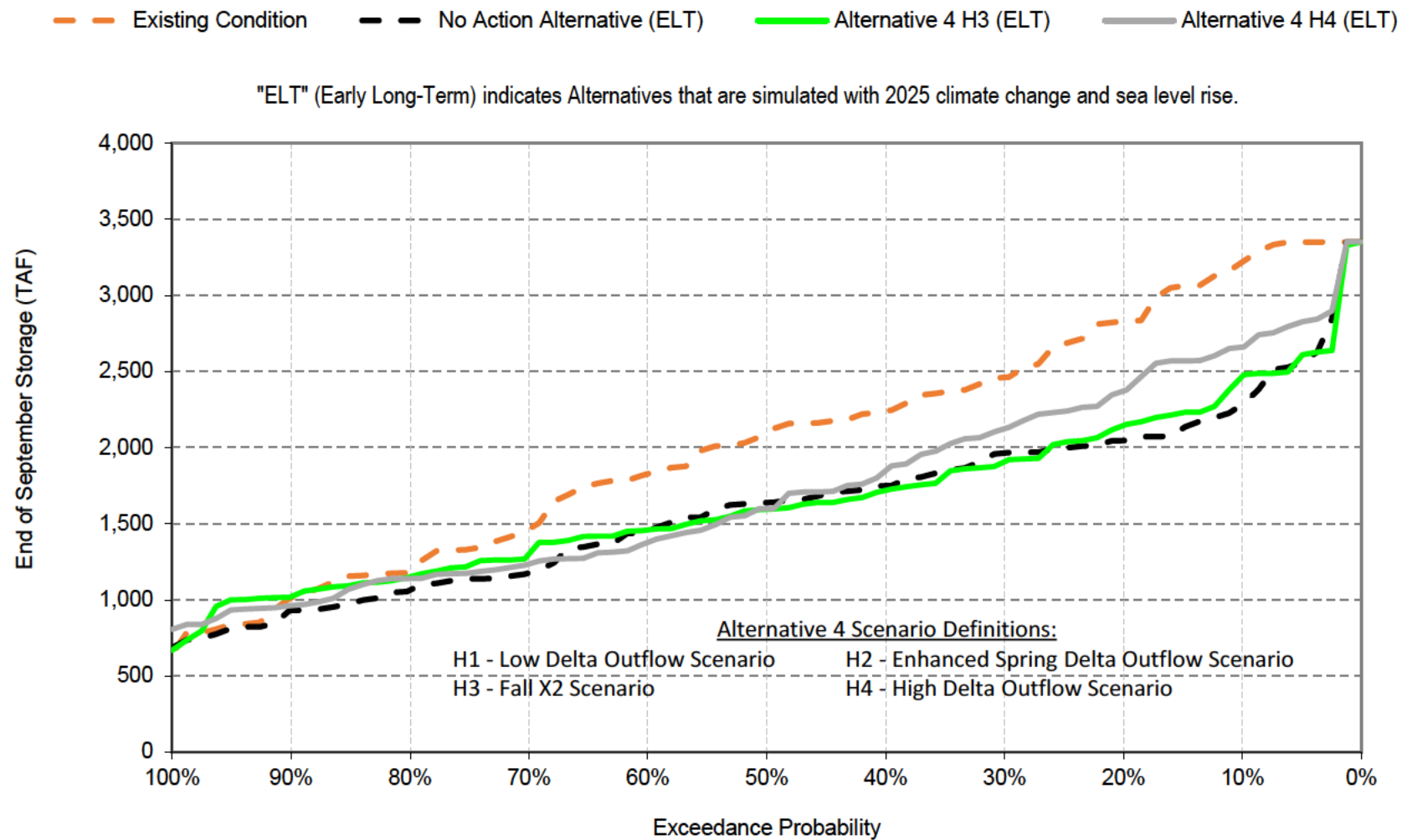


**Figure 4.3.1-6**  
**Shasta Lake End of September Storage for Alternative 4A**

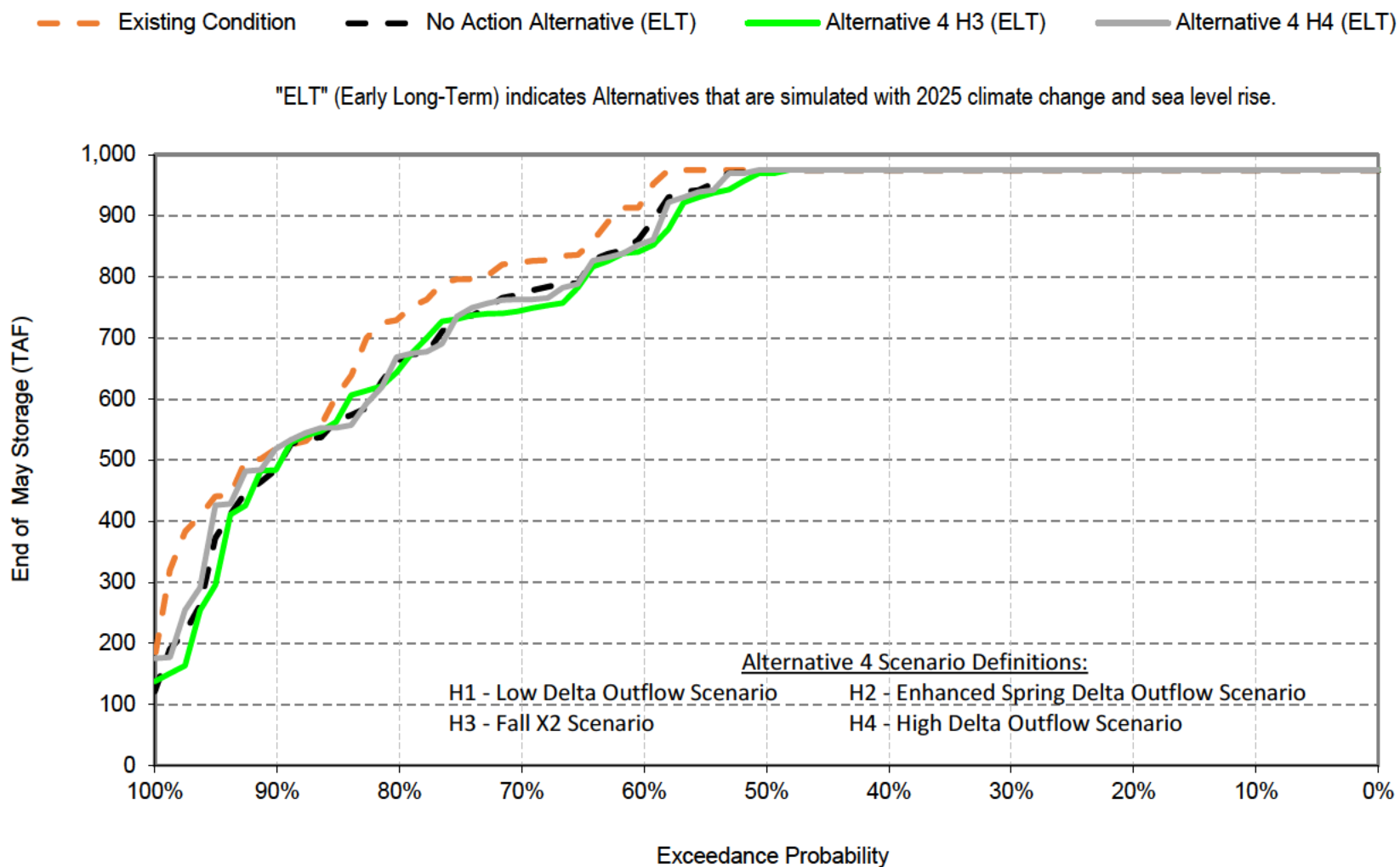


**Figure 4.3.1-7**  
**Lake Oroville End of May Storage for Alternative 4A**

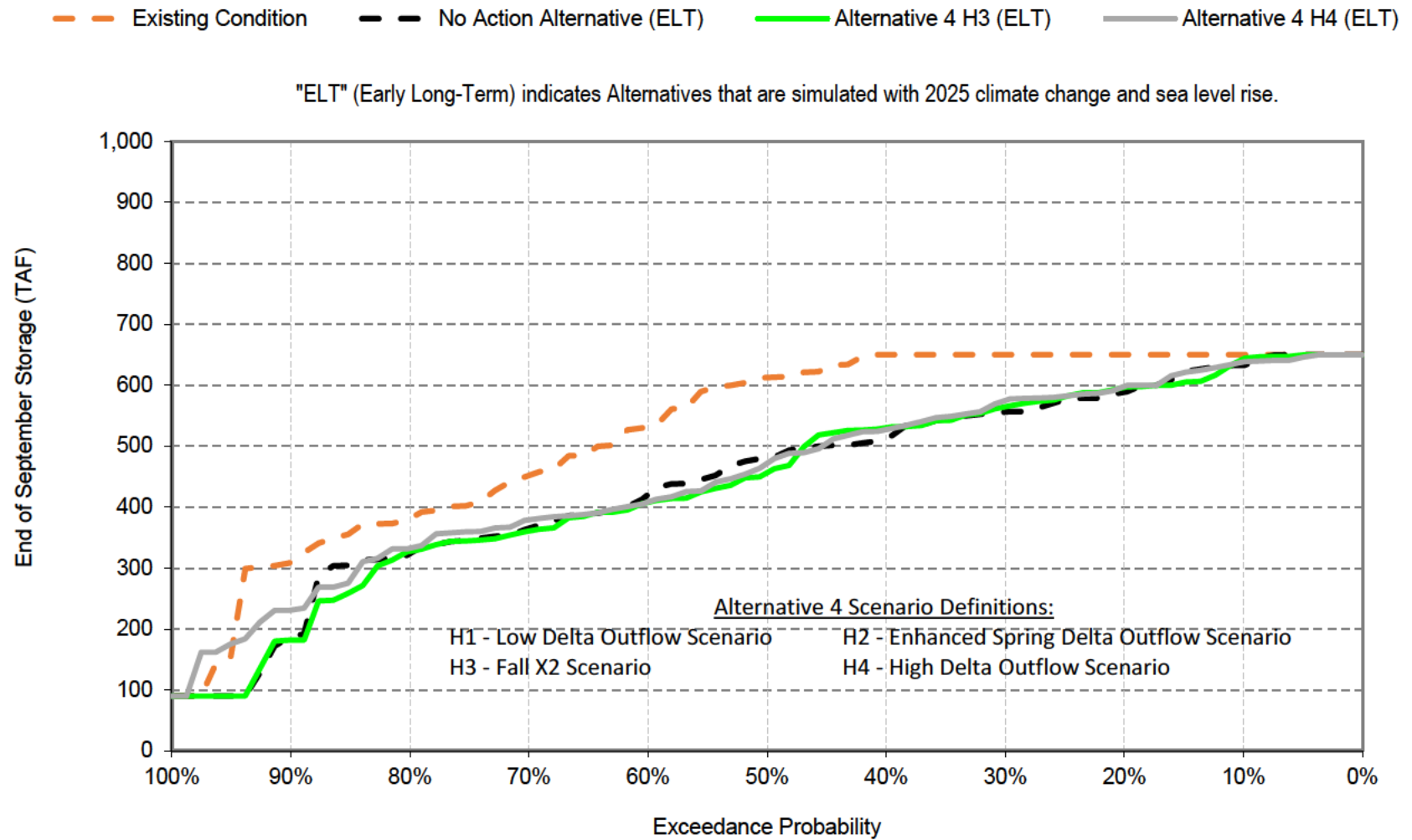




**Figure 4.3.1-8**  
**Lake Oroville End of September Storage for Alternative 4A**



**Figure 4.3.1-9**  
**Folsom Lake End of May Storage for Alternative 4A**

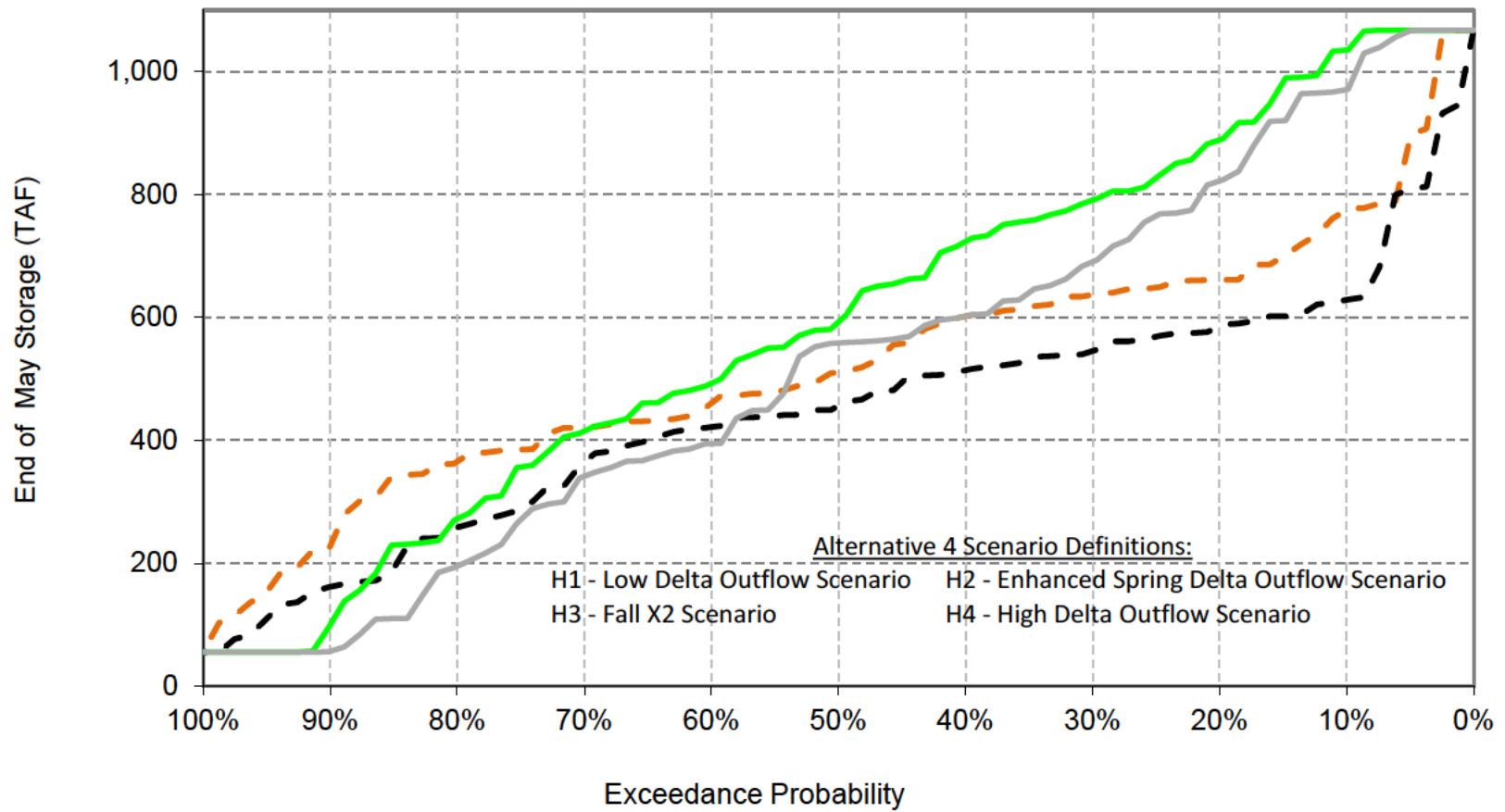


**Figure 4.3.1-10**  
**Folsom Lake End of September Storage for Alternative 4A**



--- Existing Condition 
 --- No Action Alternative (ELT) 
 --- Alternative 4 H3 (ELT) 
 --- Alternative 4 H4 (ELT)

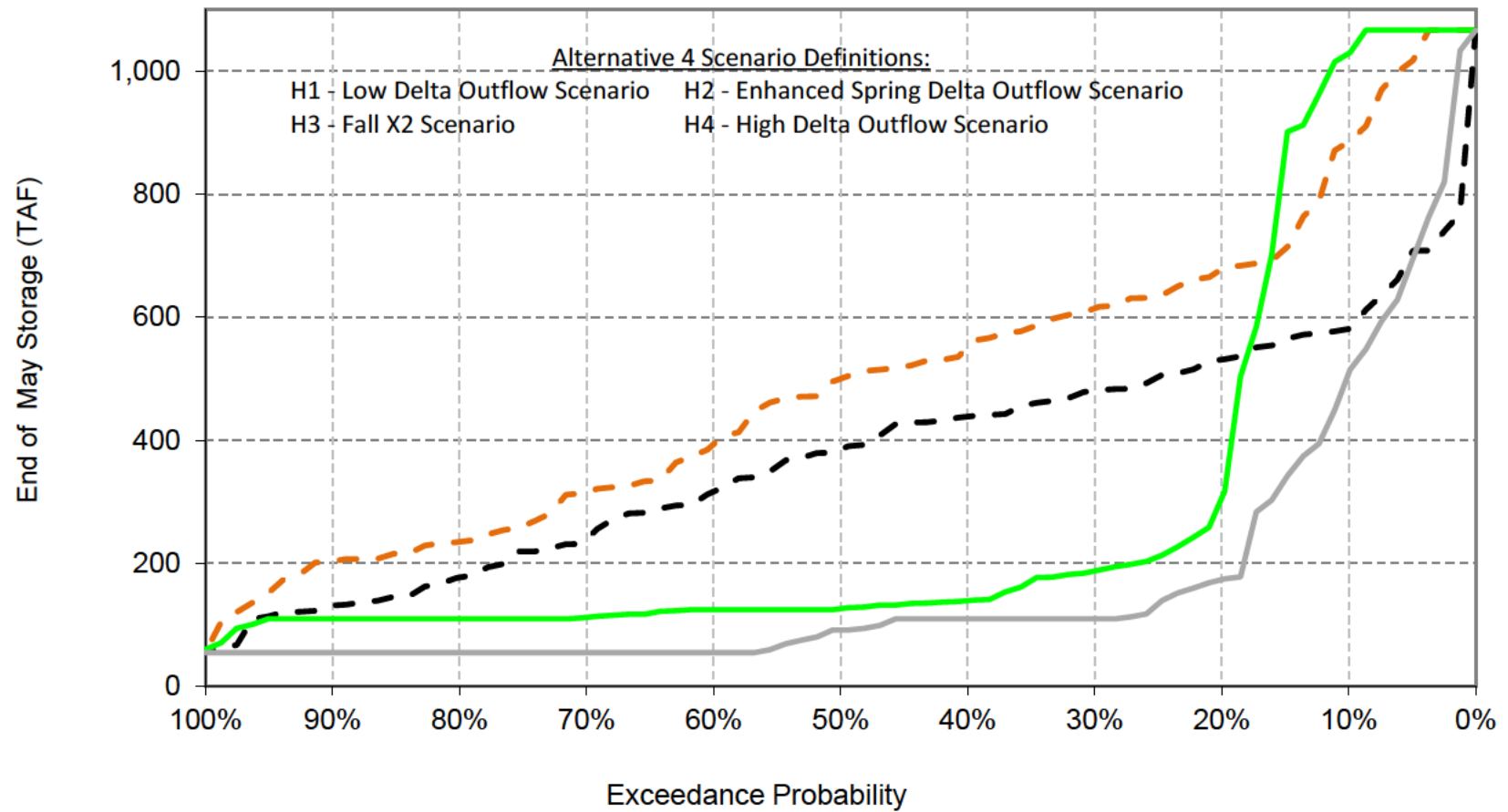
"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.



**Figure 4.3.1-11**  
**SWP San Luis Reservoir End of May Storage for Alternative 4A**

--- Existing Condition 
 --- No Action Alternative (ELT) 
 --- Alternative 4 H3 (ELT) 
 --- Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

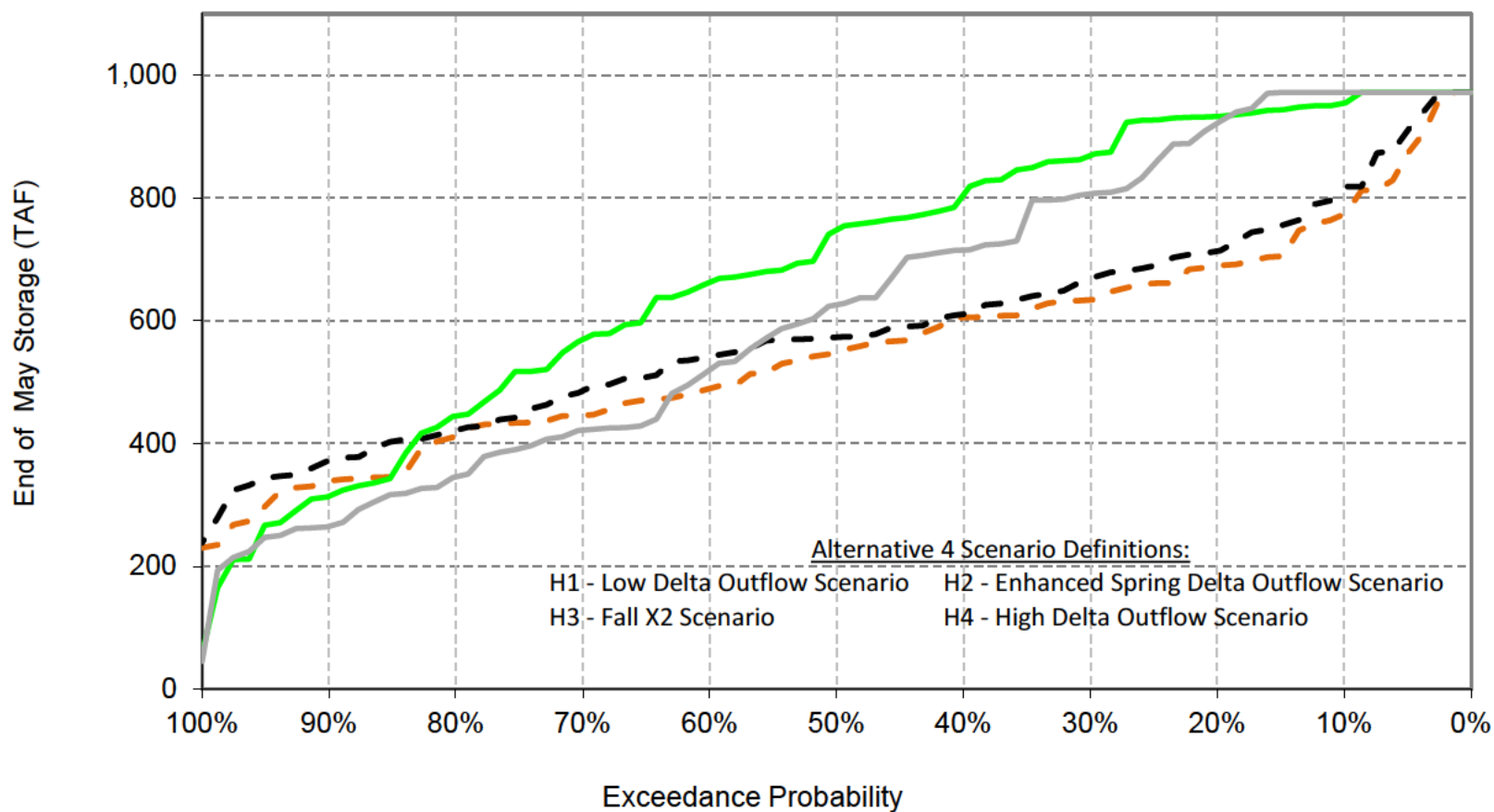


**Figure 4.3.1-12**

**SWP San Luis Reservoir End of September Storage for Alternative 4A**

— Existing Condition 
 - - No Action Alternative (ELT) 
 — Alternative 4 H3 (ELT) 
 — Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.



**Figure 4.3.1-13**  
**CVP San Luis Reservoir End of May Storage for Alternative 4A**

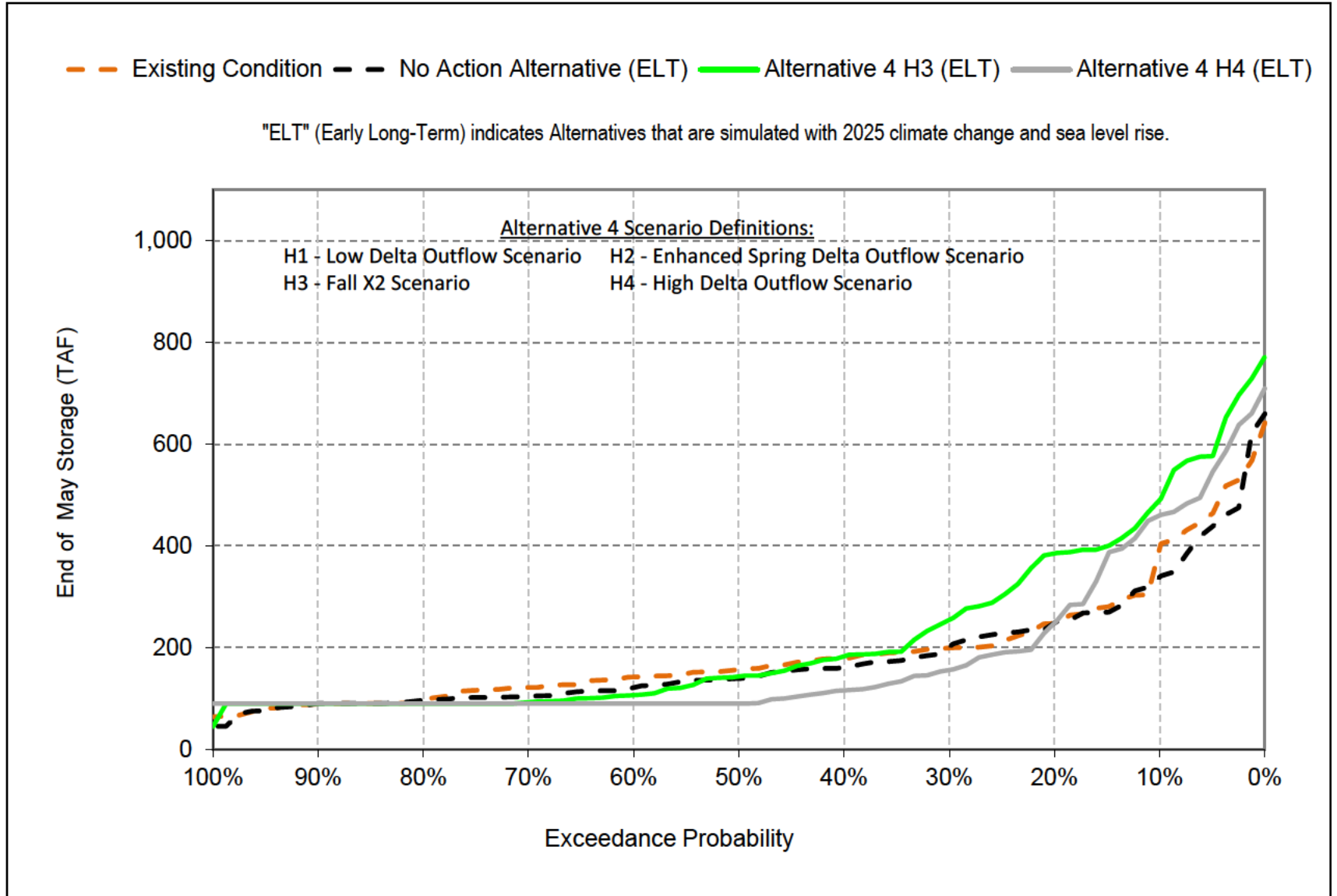
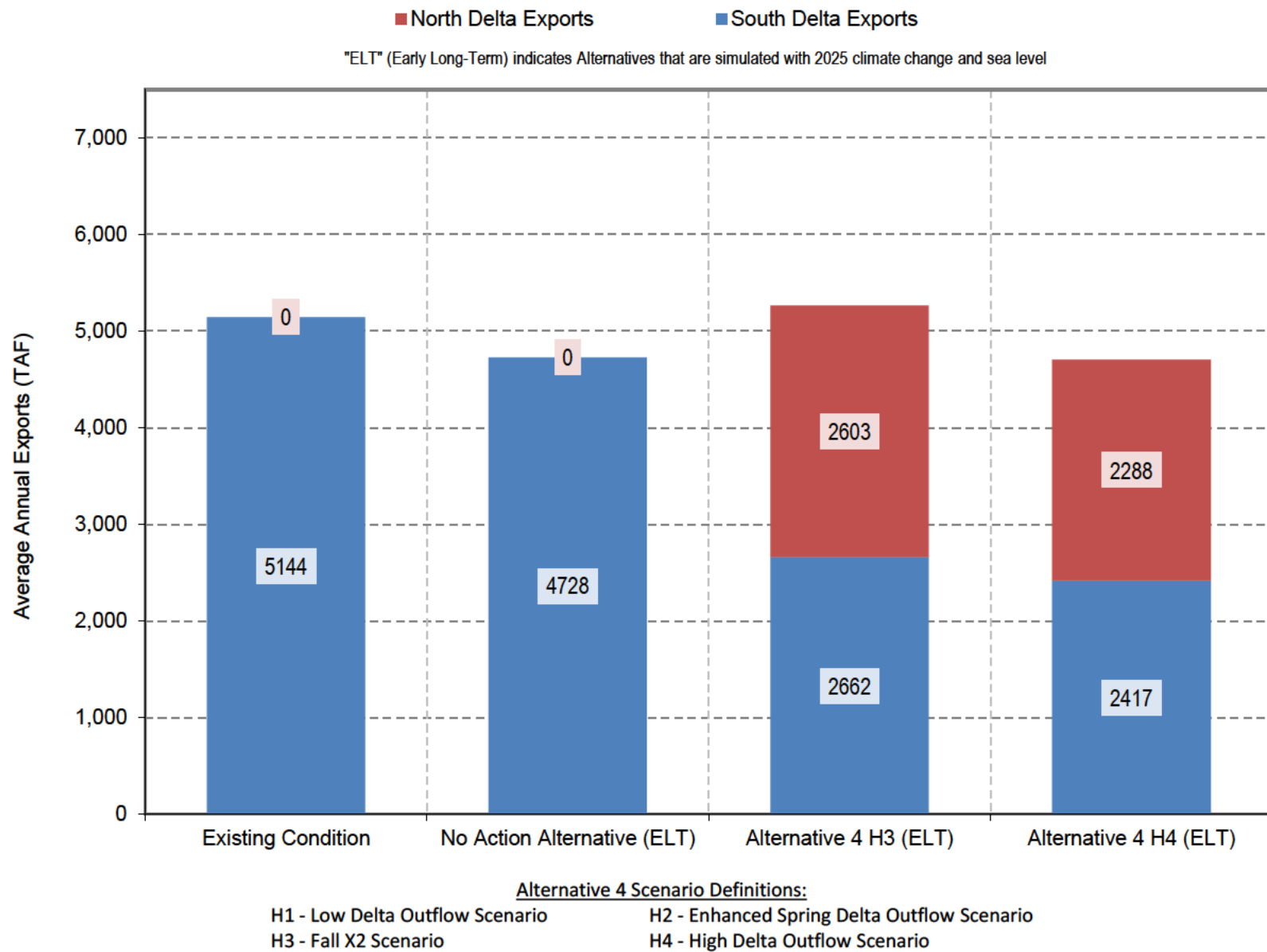


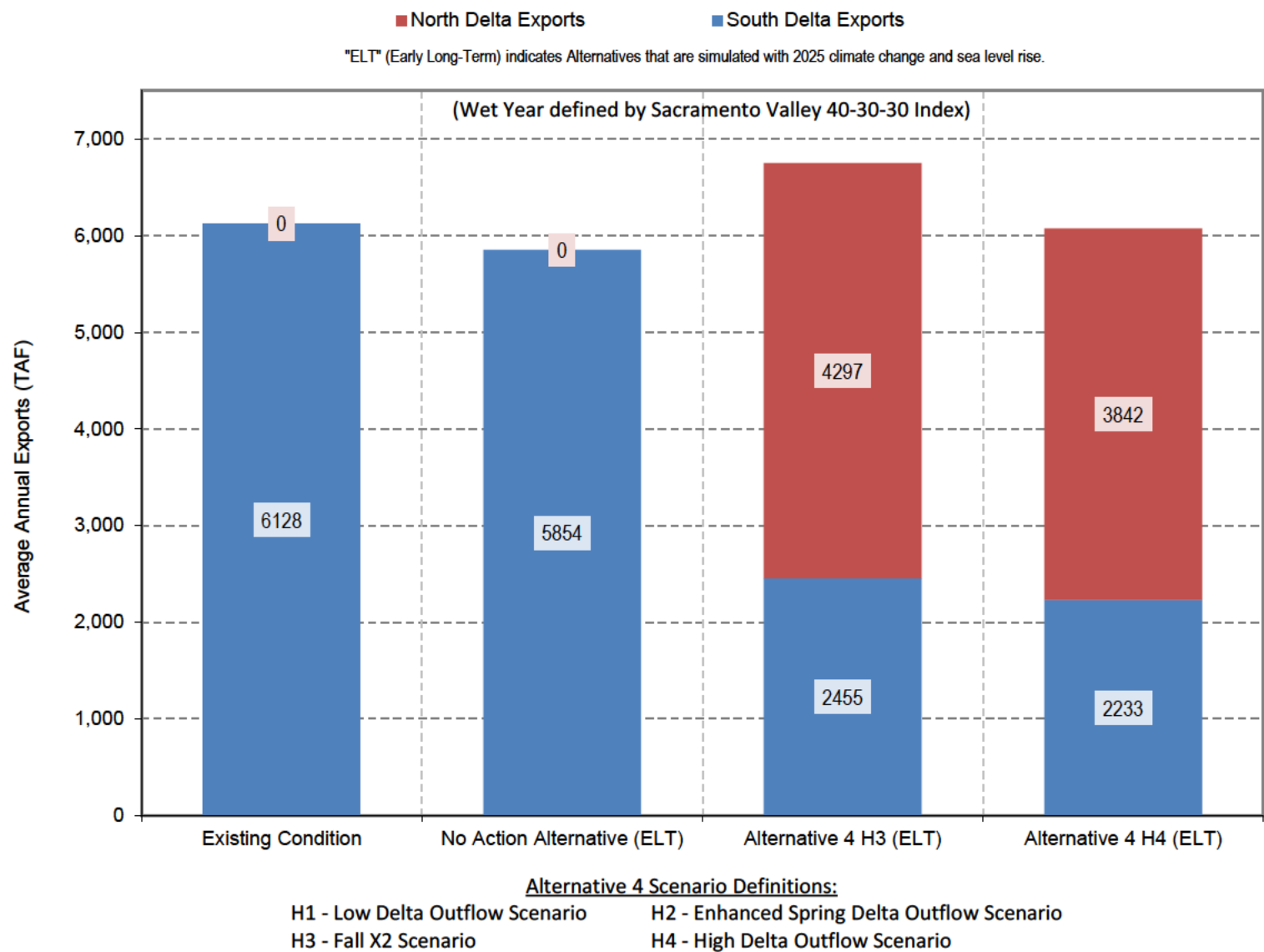
Figure 4.3.1-14

CVP San Luis Reservoir End of September Storage for Alternative 4A

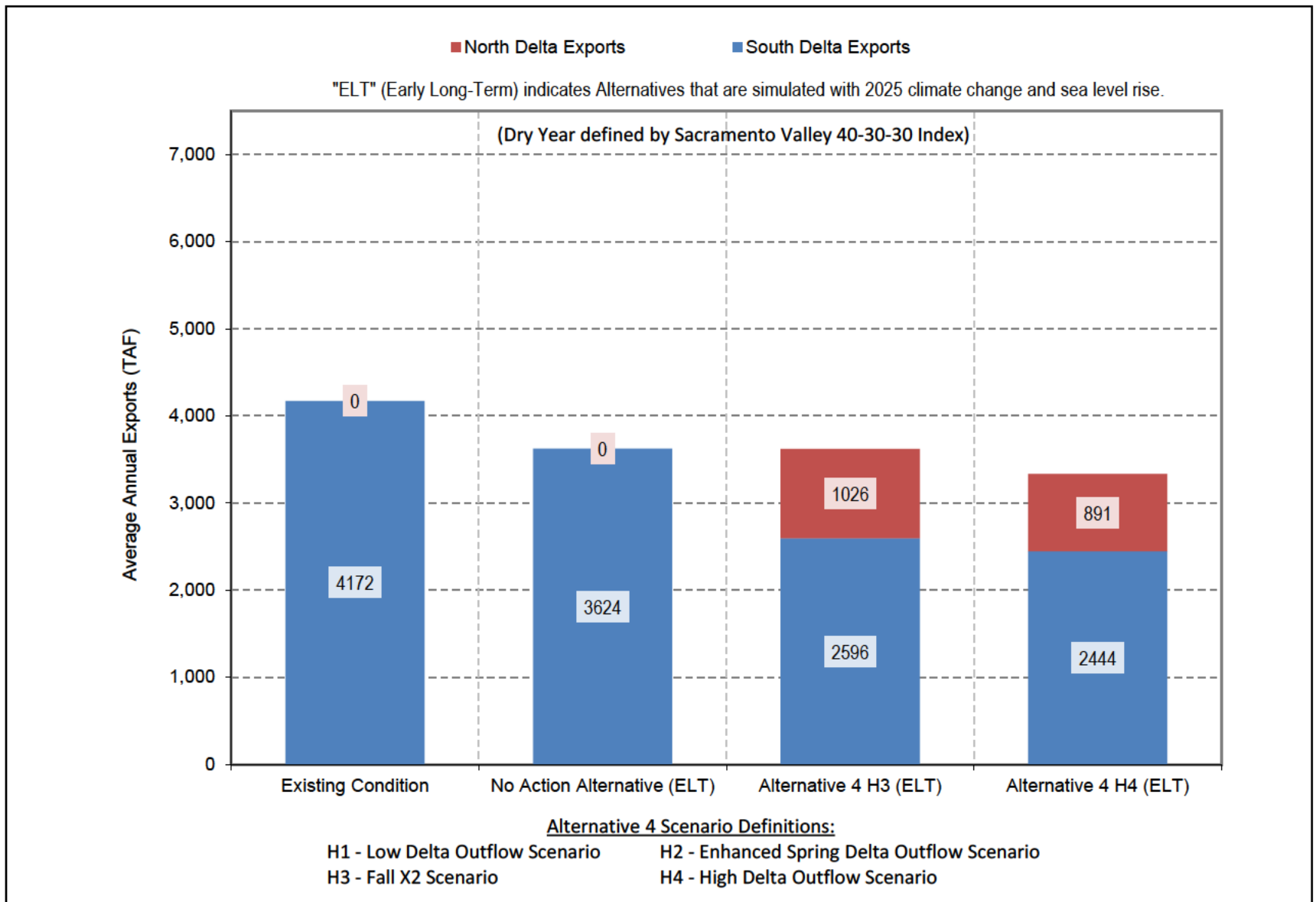




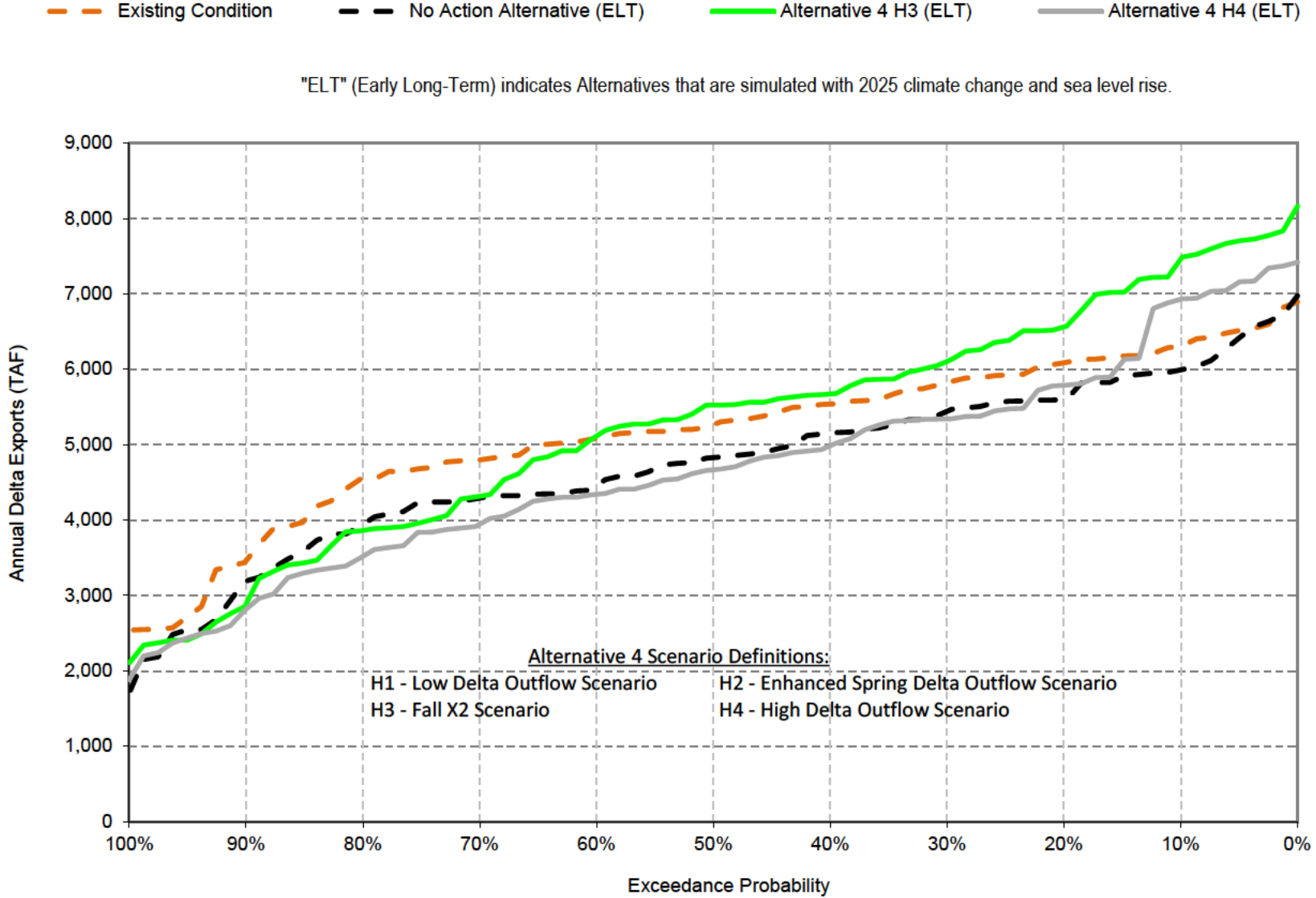
**Figure 4.3.1-15**  
**North and South Delta Exports for Alternative 4A Long-Term Average**



**Figure 4.3.1-16**  
**North and South Delta Exports for Alternative 4A -Wet Year Average**

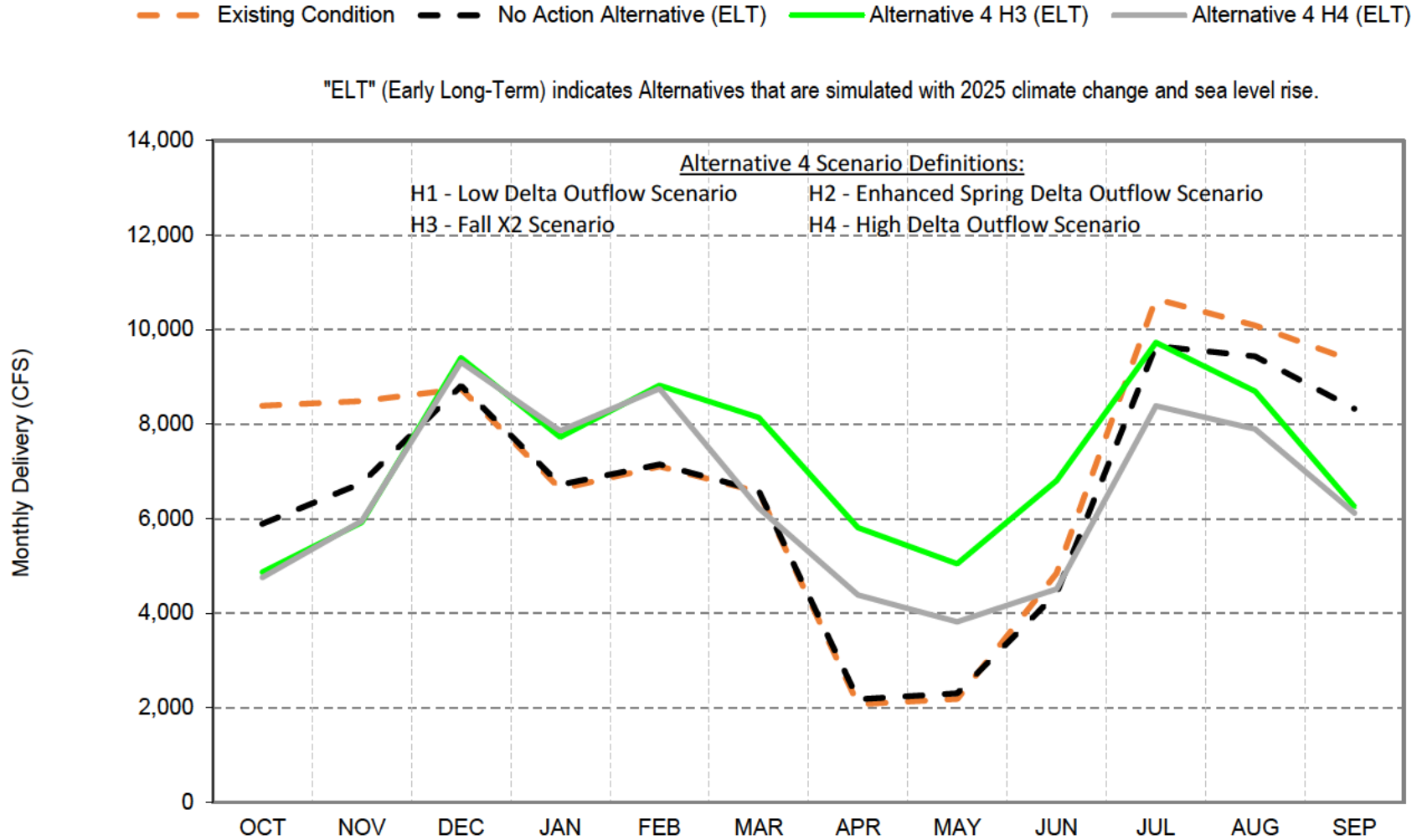


**Figure 4.3.1-17**  
**North and South Delta Exports for Alternative 4A –Dry and Critical Year Average**

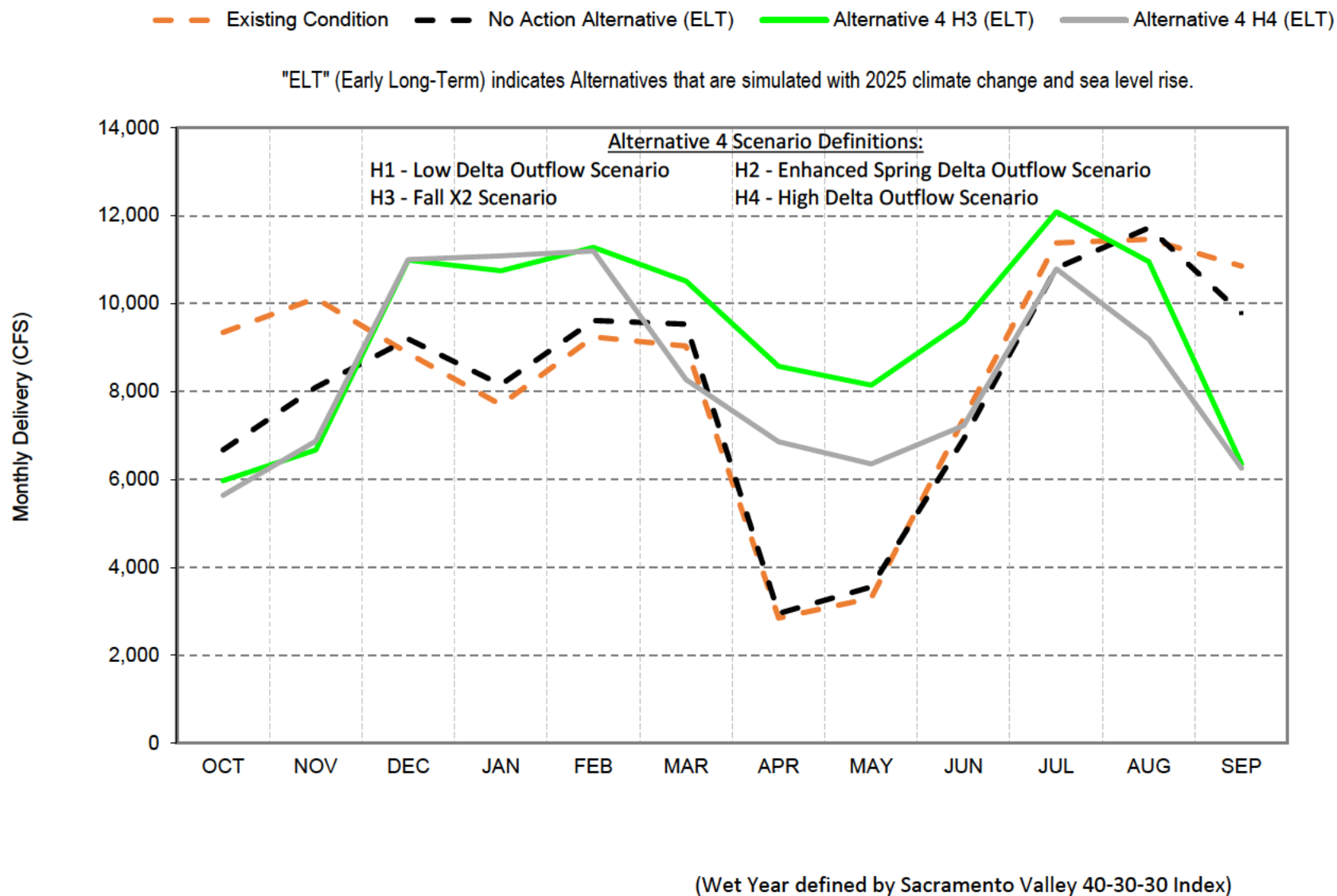


**Figure 4.3.1-18**  
**Total Delta Exports for Alternative 4A**



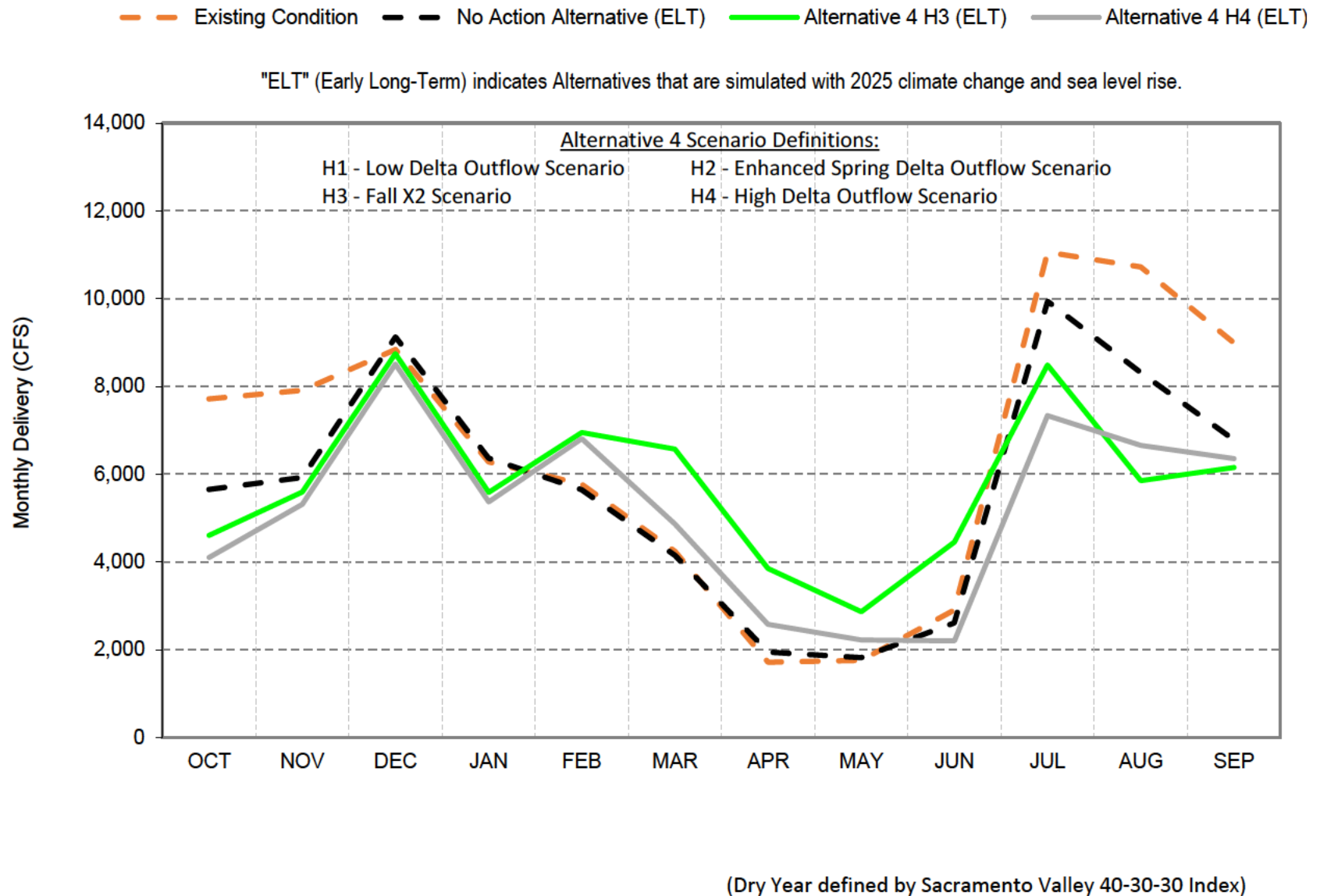


**Figure 4.3.1-19**  
**Total Delta Exports for Alternative 4A Long-Term Average Monthly**

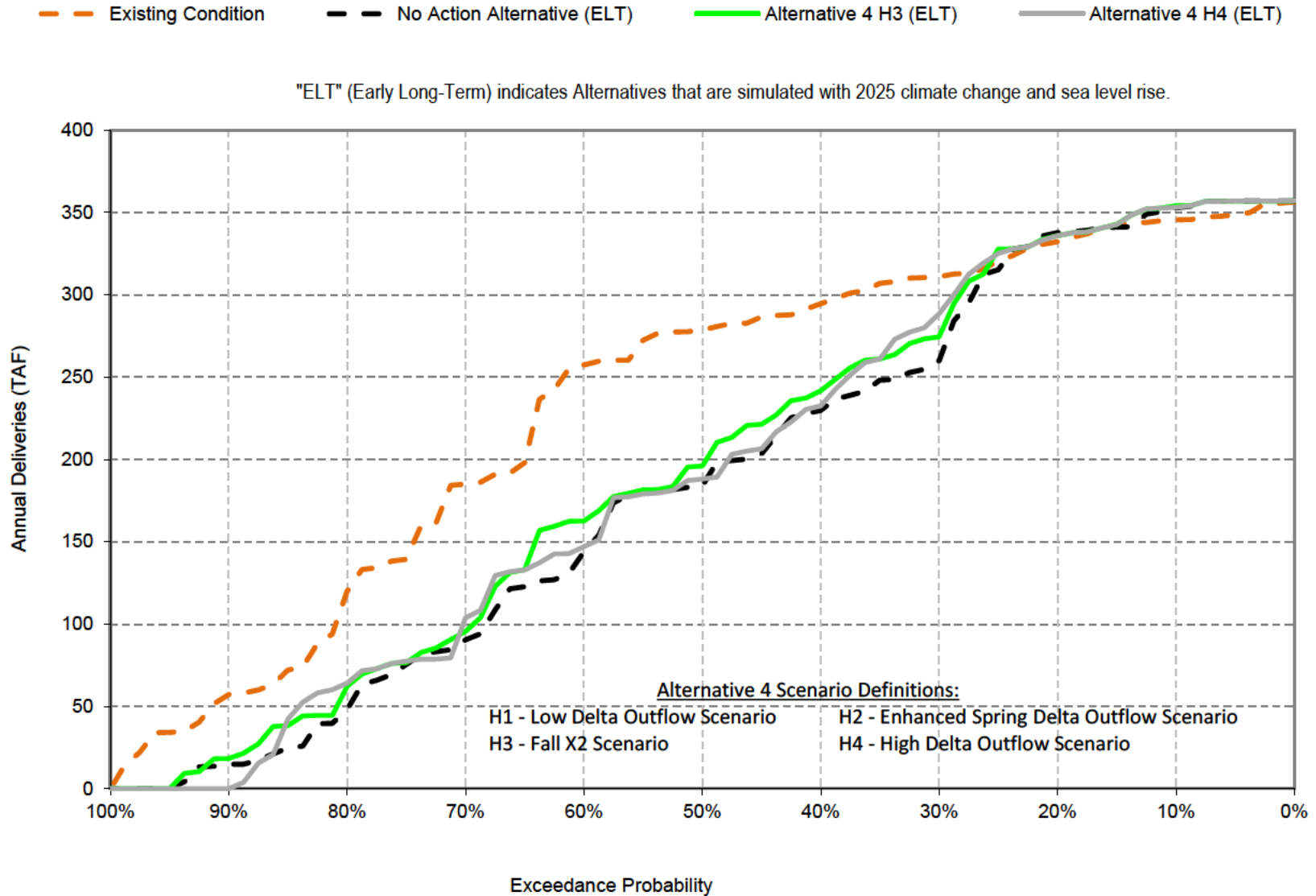


**Figure 4.3.1-20**

**Total Delta Exports for Alternative 4A Wet Year Average Monthly**

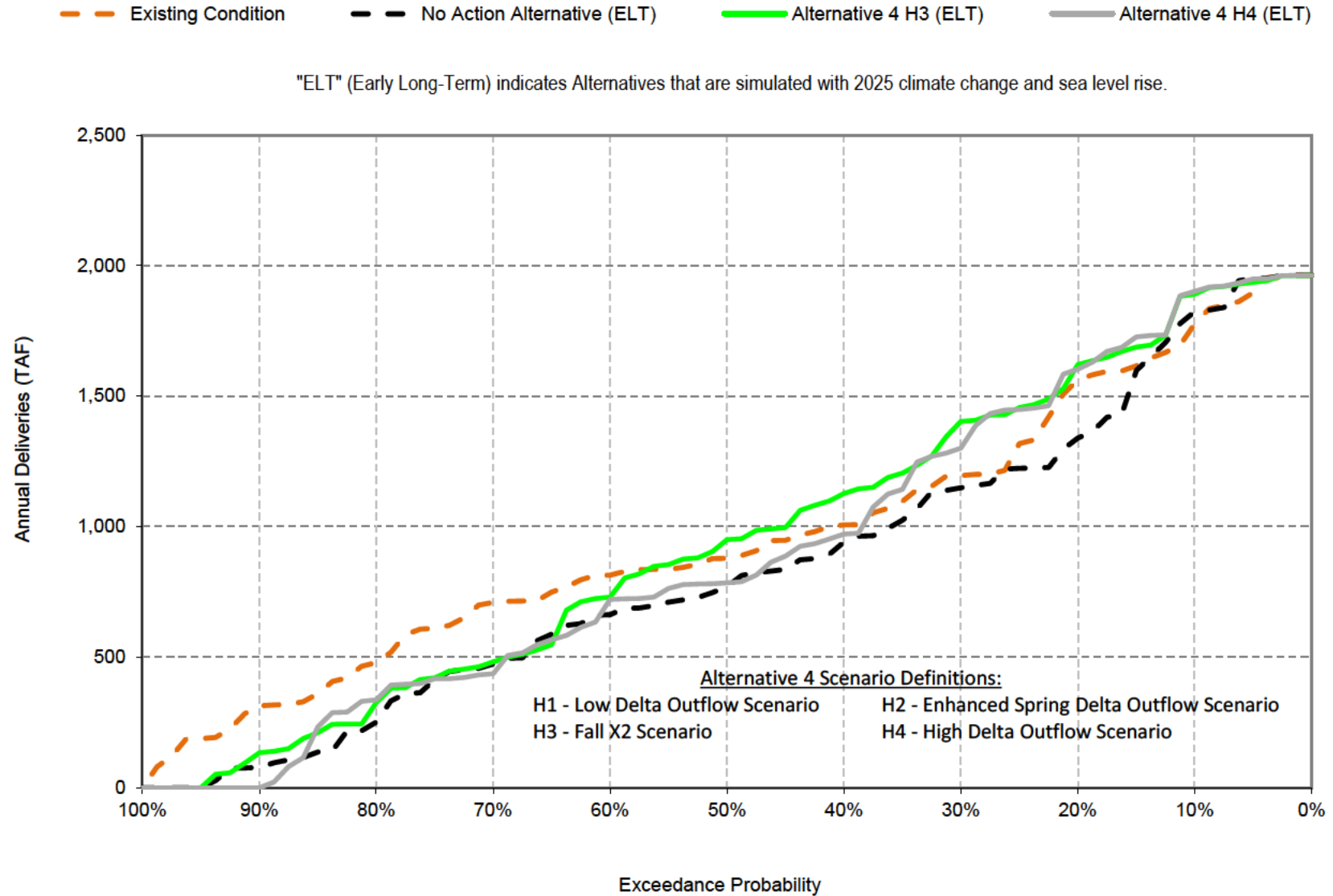


**Figure 4.3.1-21**  
**Total Delta Exports for Alternative 4A Dry Year Average Monthly**

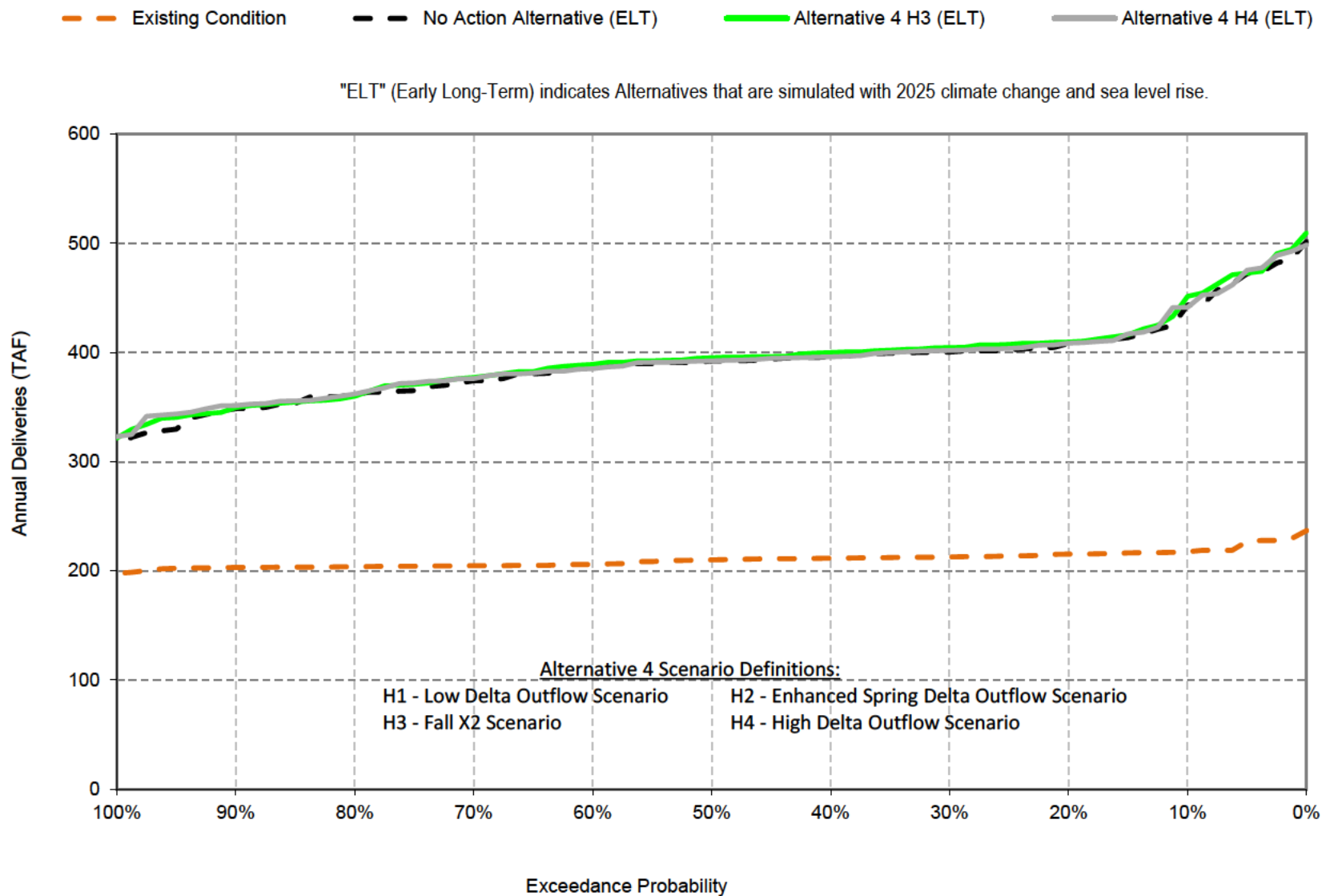


**Figure 4.3.1-22**  
**Annual CVP North of Delta Agricultural Water Service Contract Deliveries for Alternative 4A**

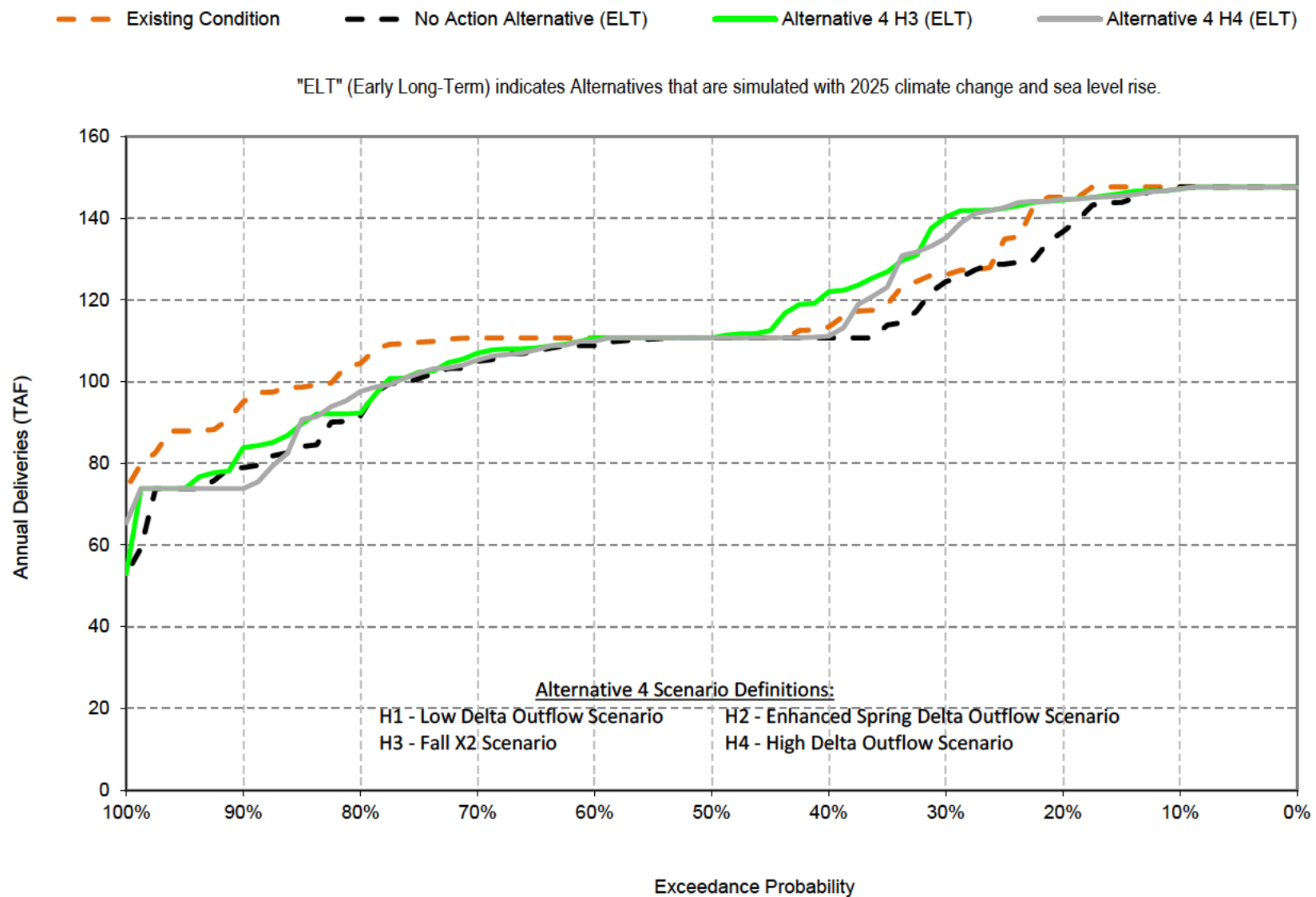




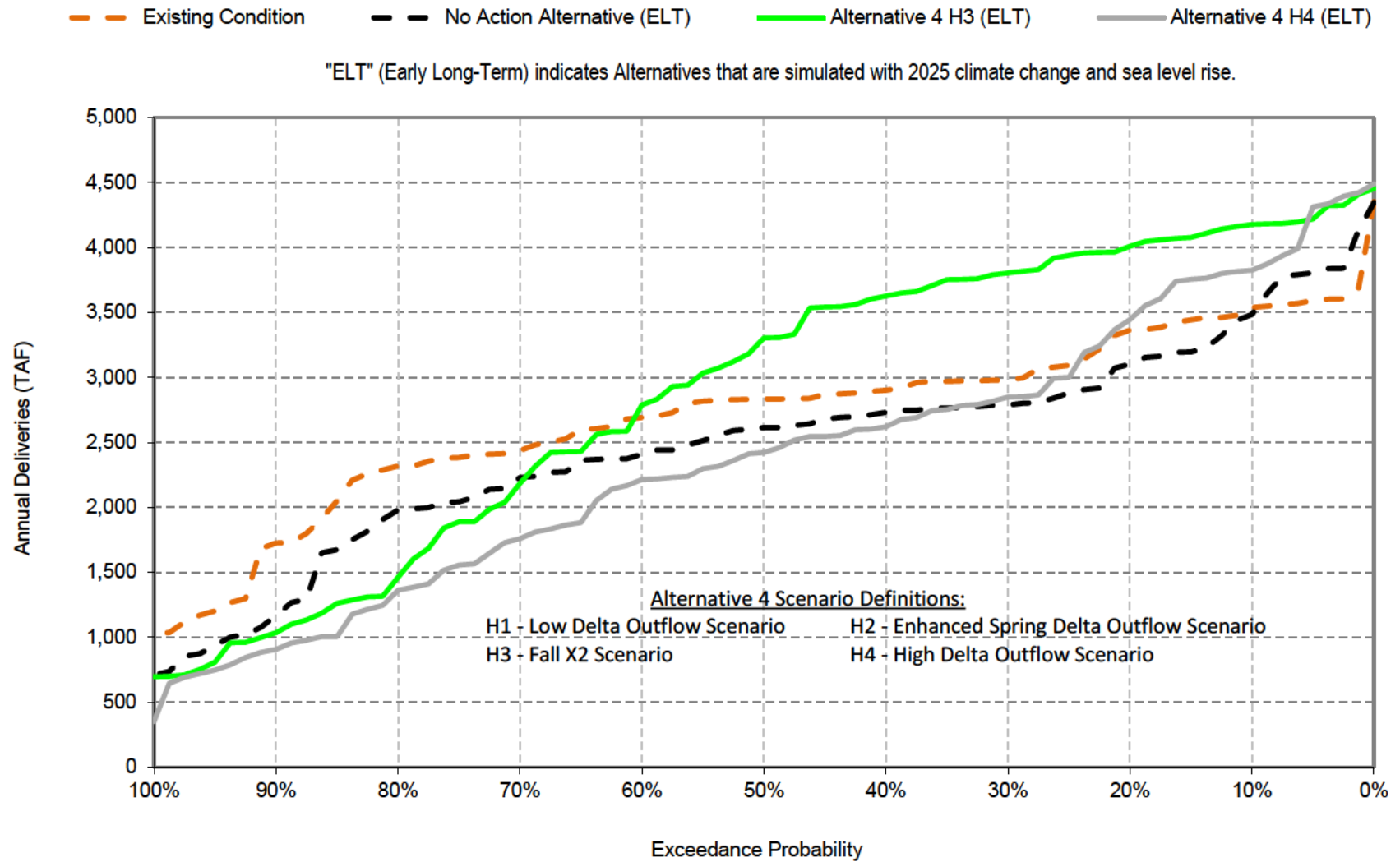
**Figure 4.3.1-23**  
**Annual CVP South of Delta Agricultural Water Service Contract Deliveries for Alternative 4A**



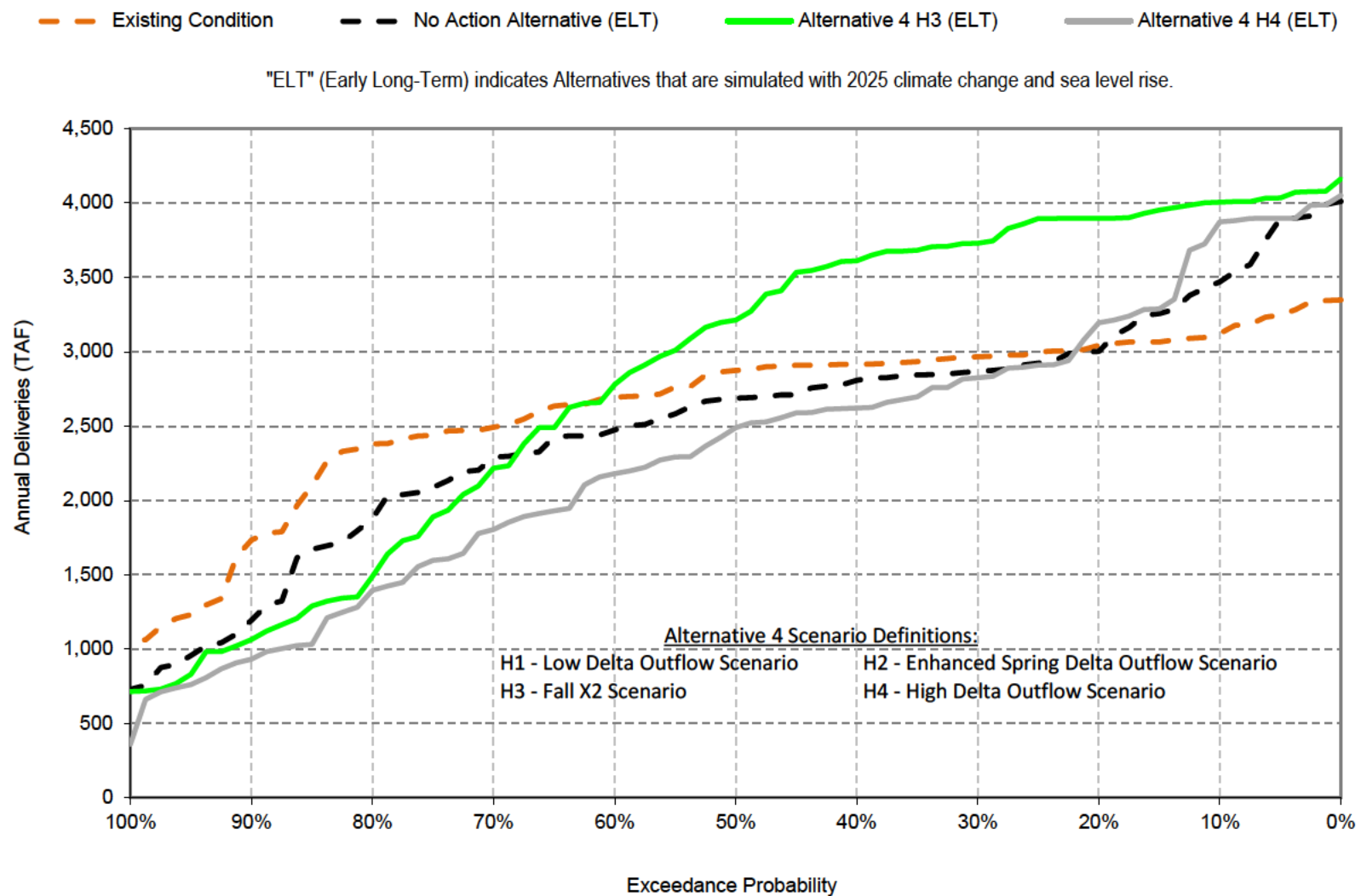
**Figure 4.3.1-24**  
**Annual CVP North of Delta Municipal and Industrial Water Service Contract Deliveries for Alternative 4A**



**Figure 4.3.1-25**  
**Annual CVP South of Delta Municipal and Industrial Water Service Contract Deliveries for Alternative 4A**

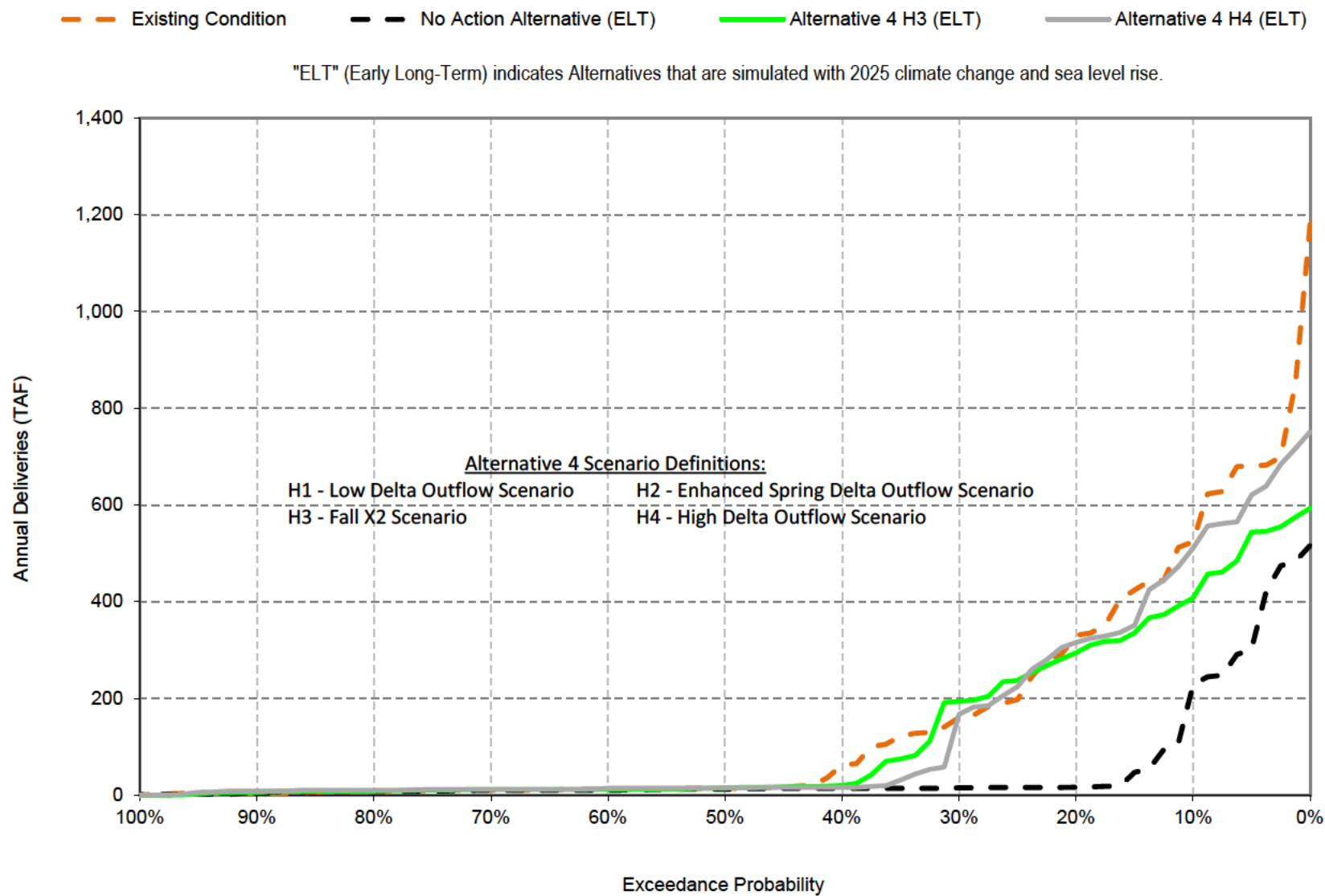


**Figure 4.3.1-26**  
**Total Annual SWP South of Delta Deliveries Including Table A and Articles 21 and 56 Waters for Alternative 4A**

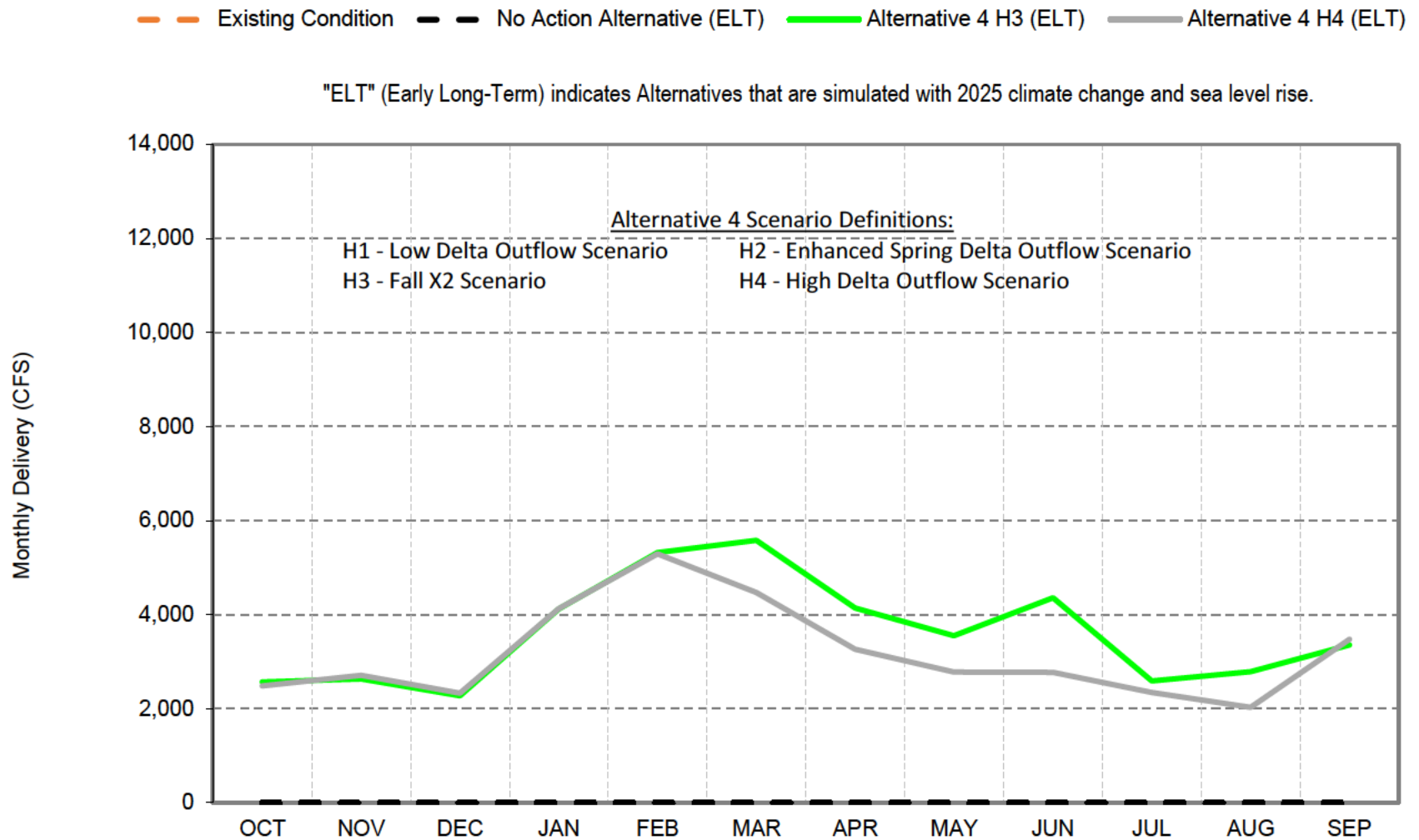


**Figure 4.3.1-27**  
**Annual SWP Table A Deliveries with Article 56 Waters for Alternative 4A**



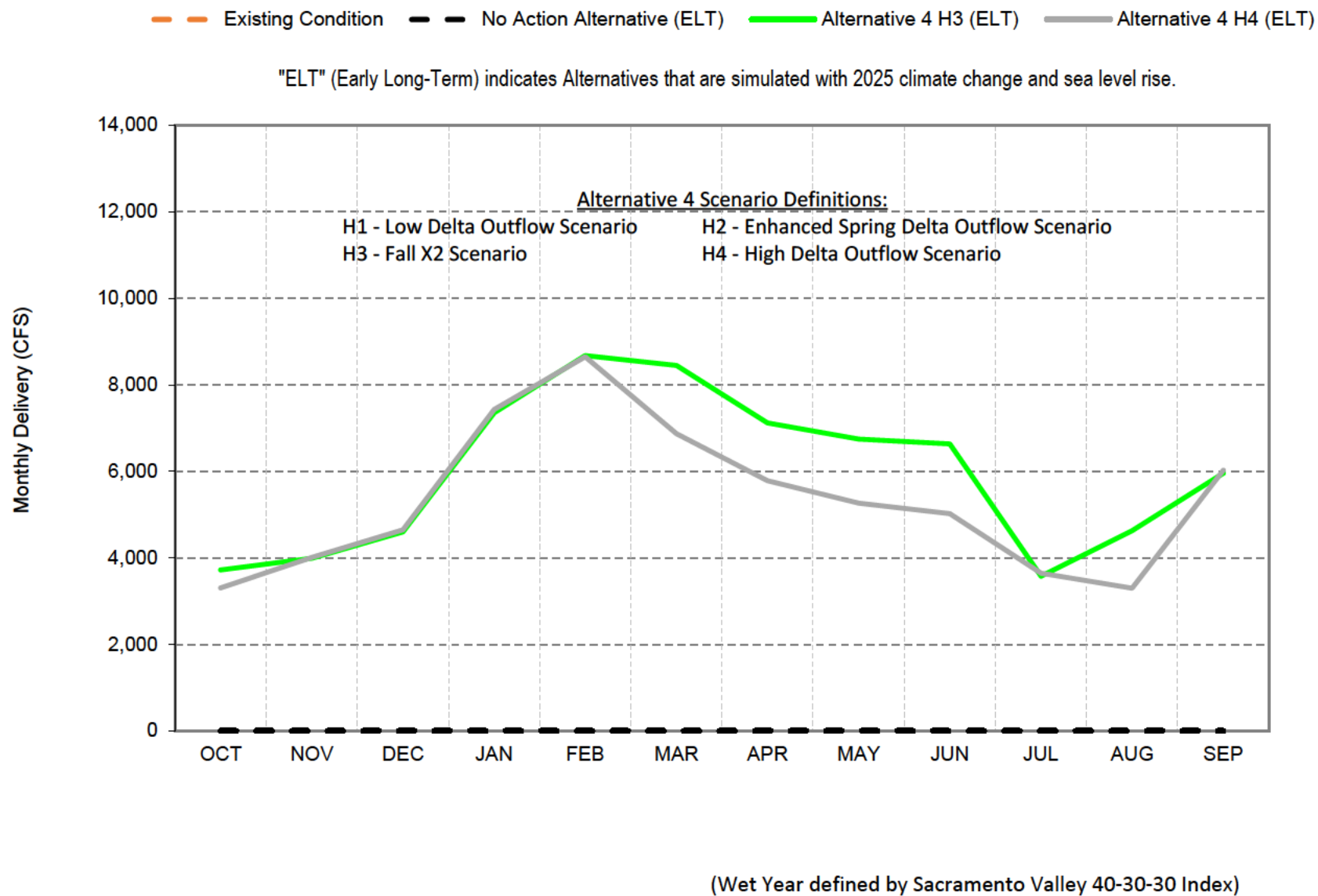


**Figure 4.3.1-28**  
**Annual SWP Article 21 Deliveries for Alternative 4A**

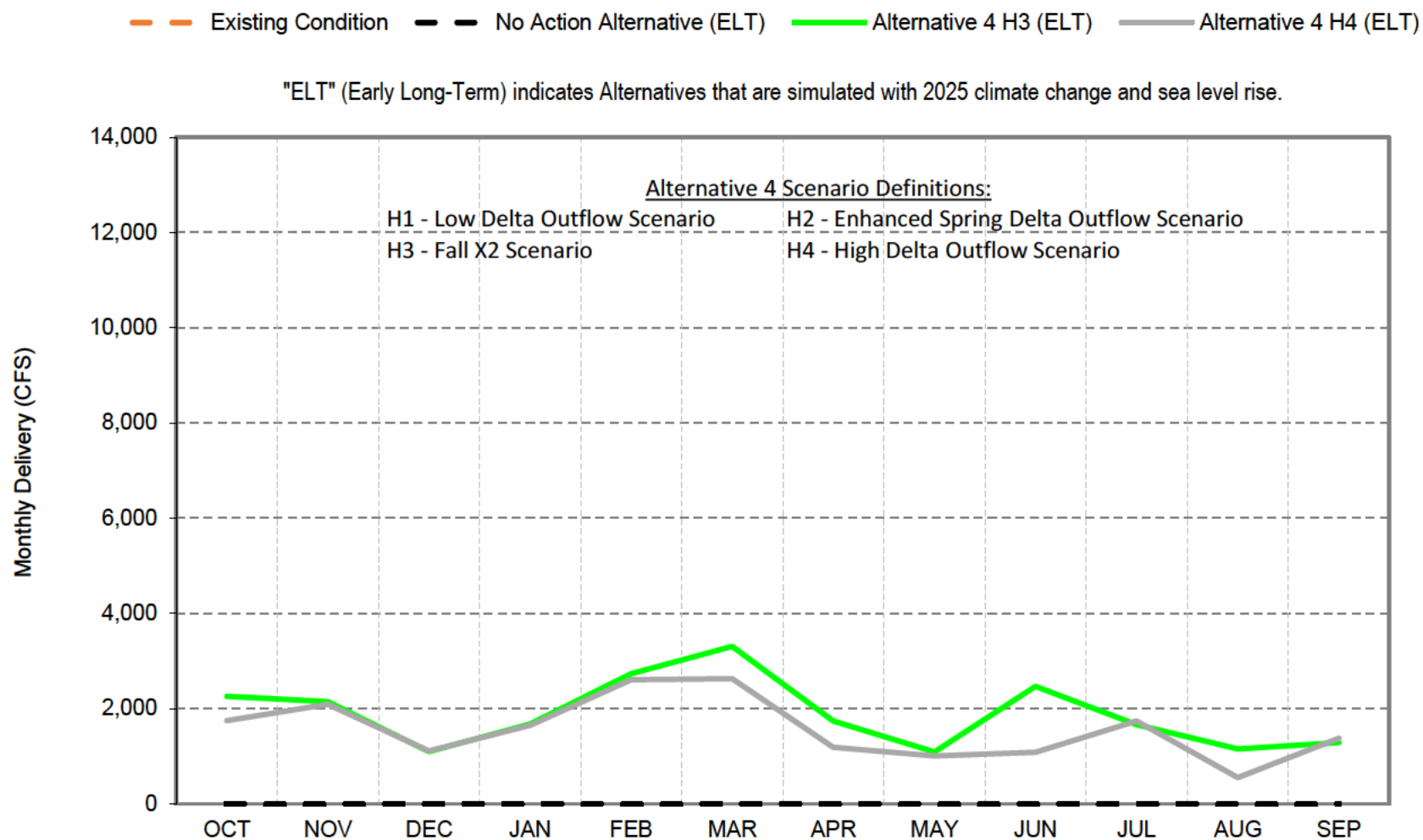


**Figure 4.3.1-29**

**SWP and CVP North Delta Exports for Alternative 4A Average Monthly**

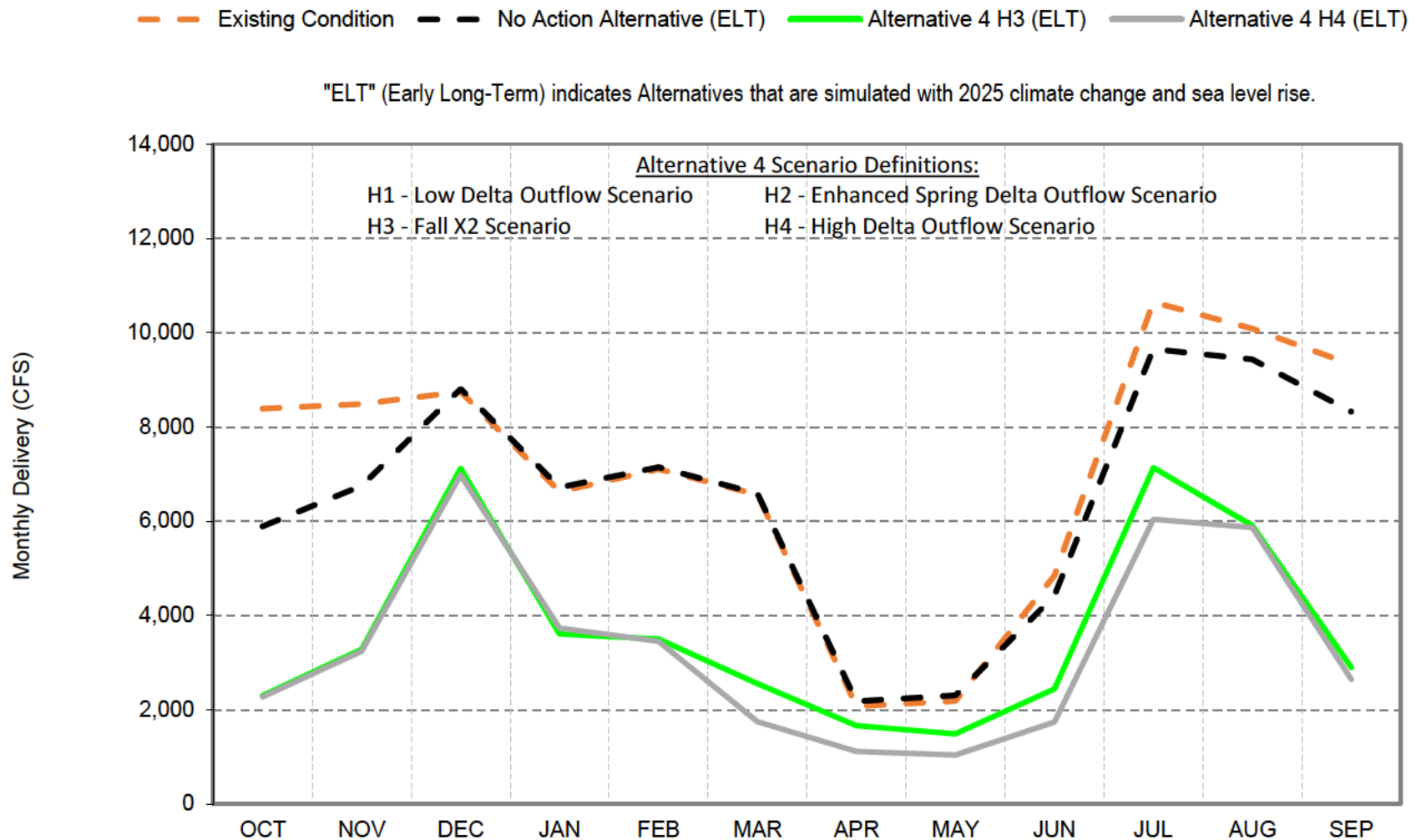


**Figure 4.3.1-30**  
**SWP and CVP North Delta Exports for Alternative 4A Wet Year Average Monthly**

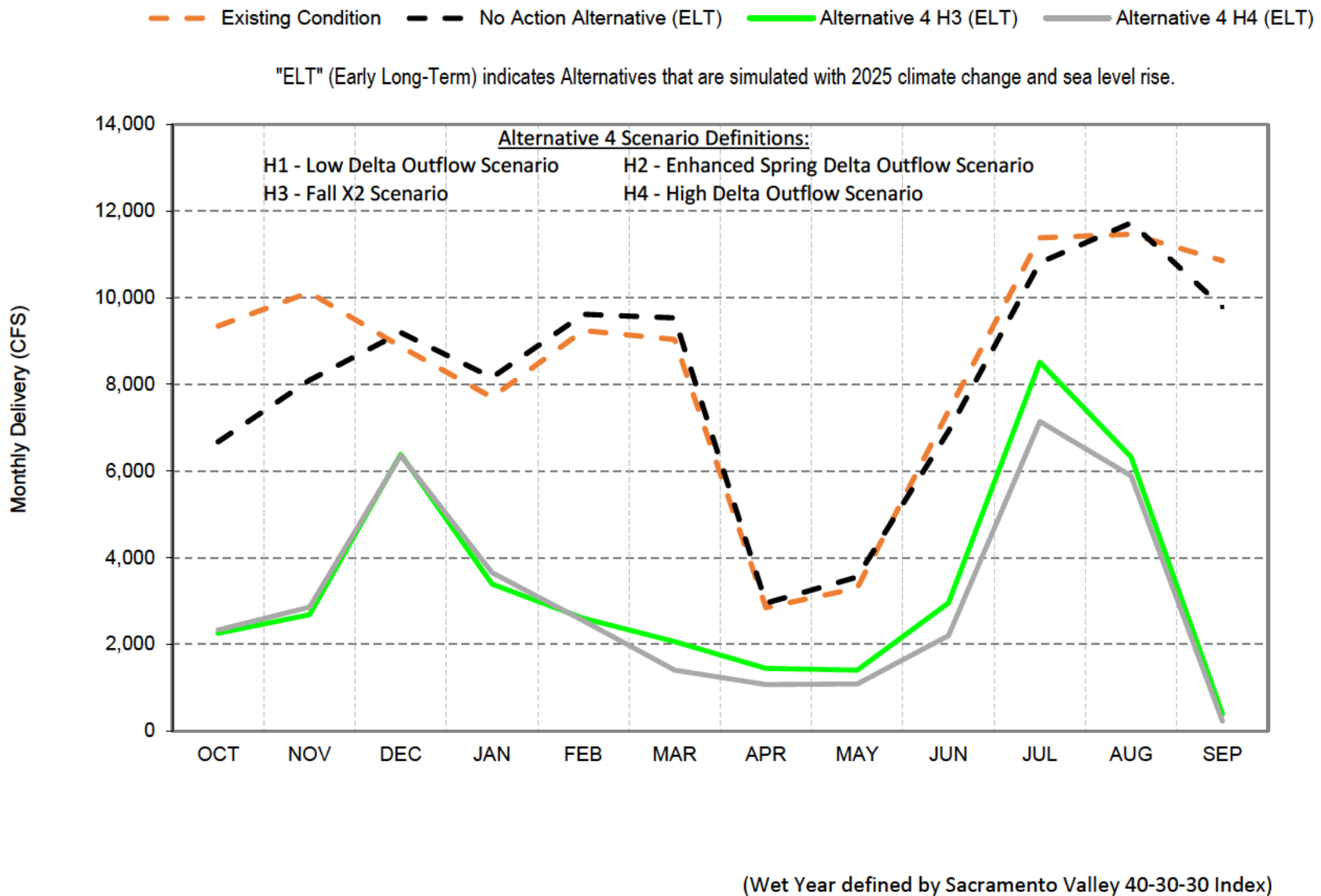


(Dry Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.3.1-31**  
**SWP and CVP North Delta Exports for Alternative 4A Dry Year Average Monthly**

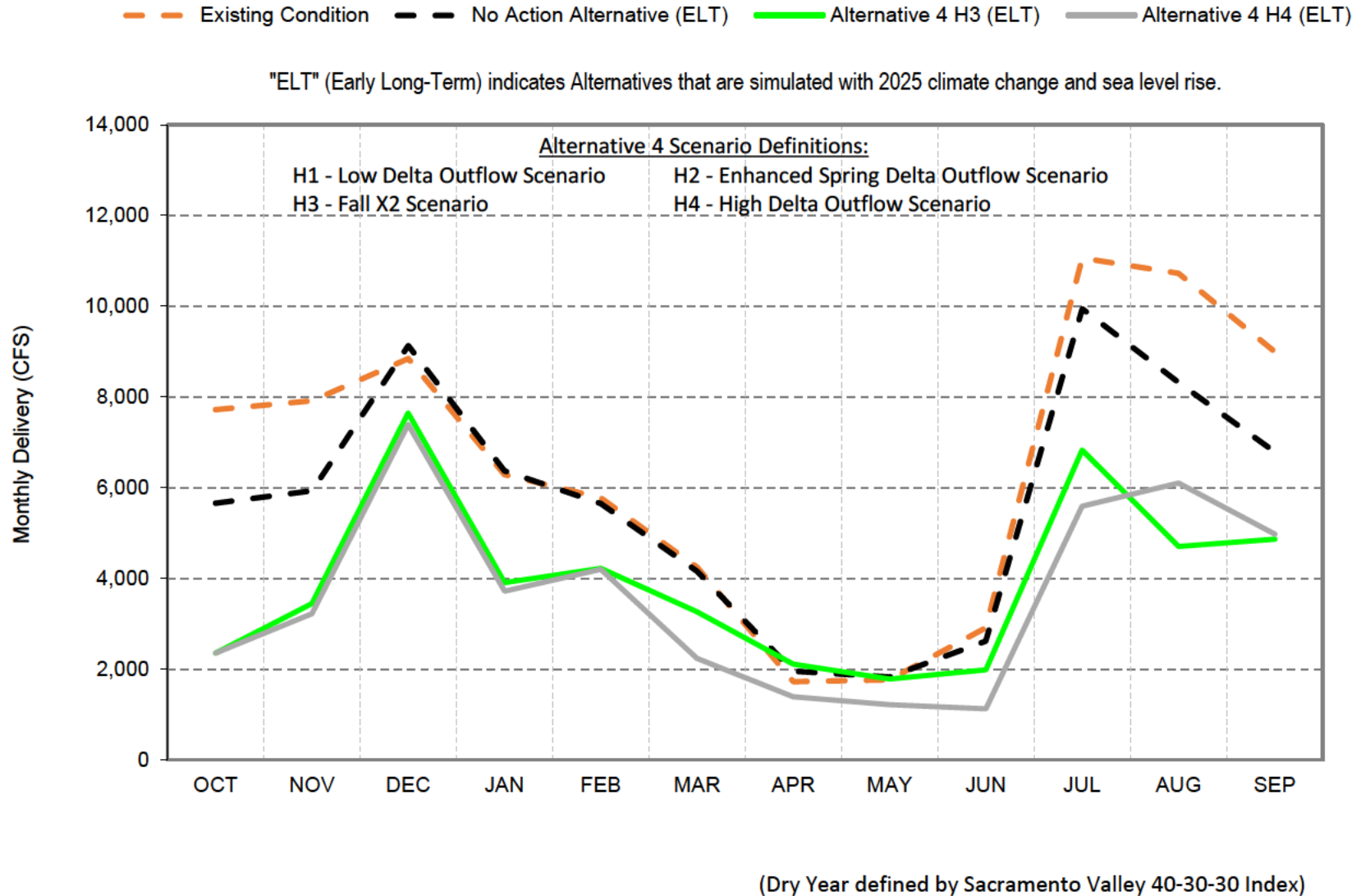


**Figure 4.3.1-32**  
**SWP and CVP South Delta Exports for Alternative 4A Average Monthly**

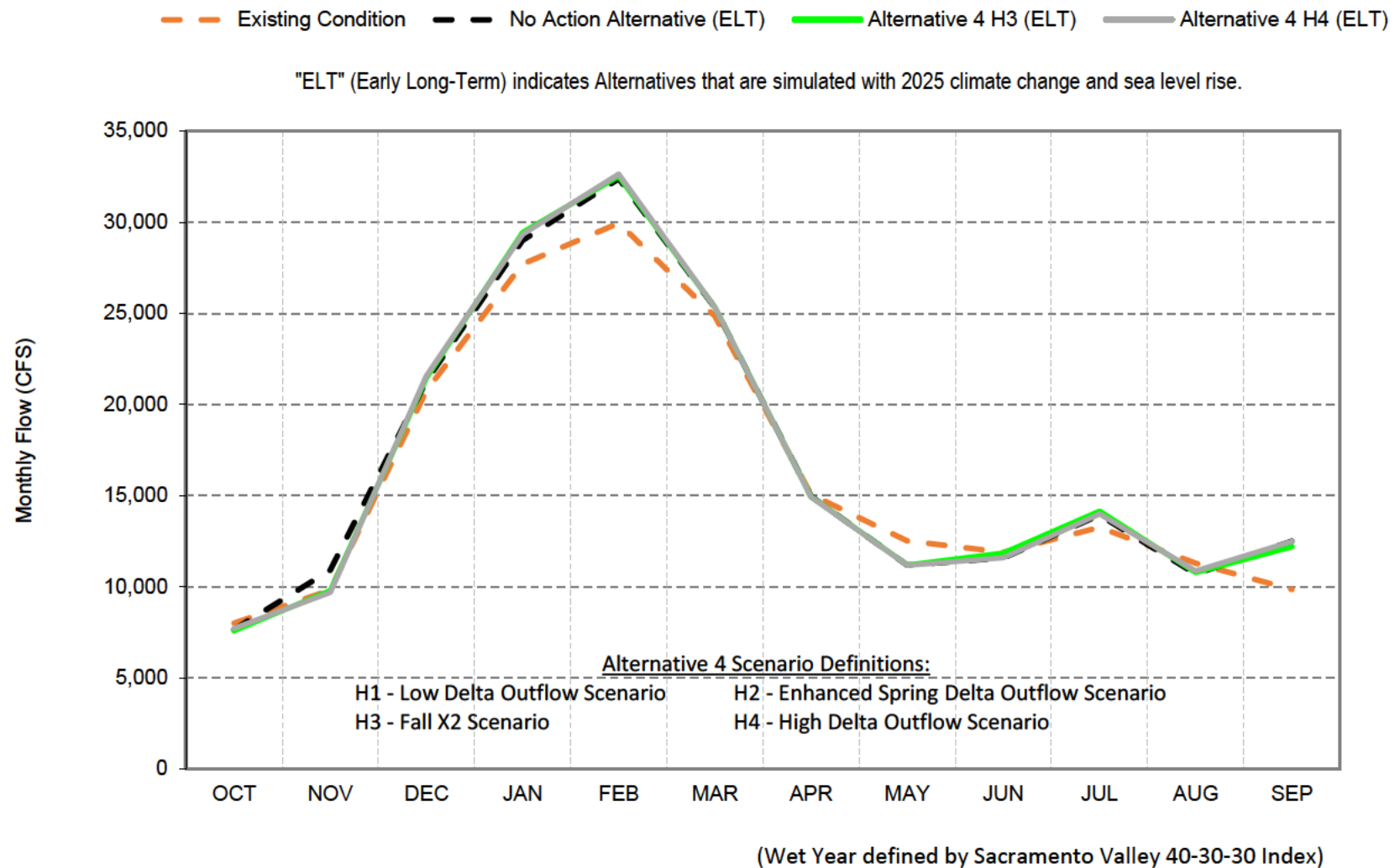


**Figure 4.3.1-33**  
**SWP and CVP South Delta Exports for Alternative 4A Wet Year Average Monthly**

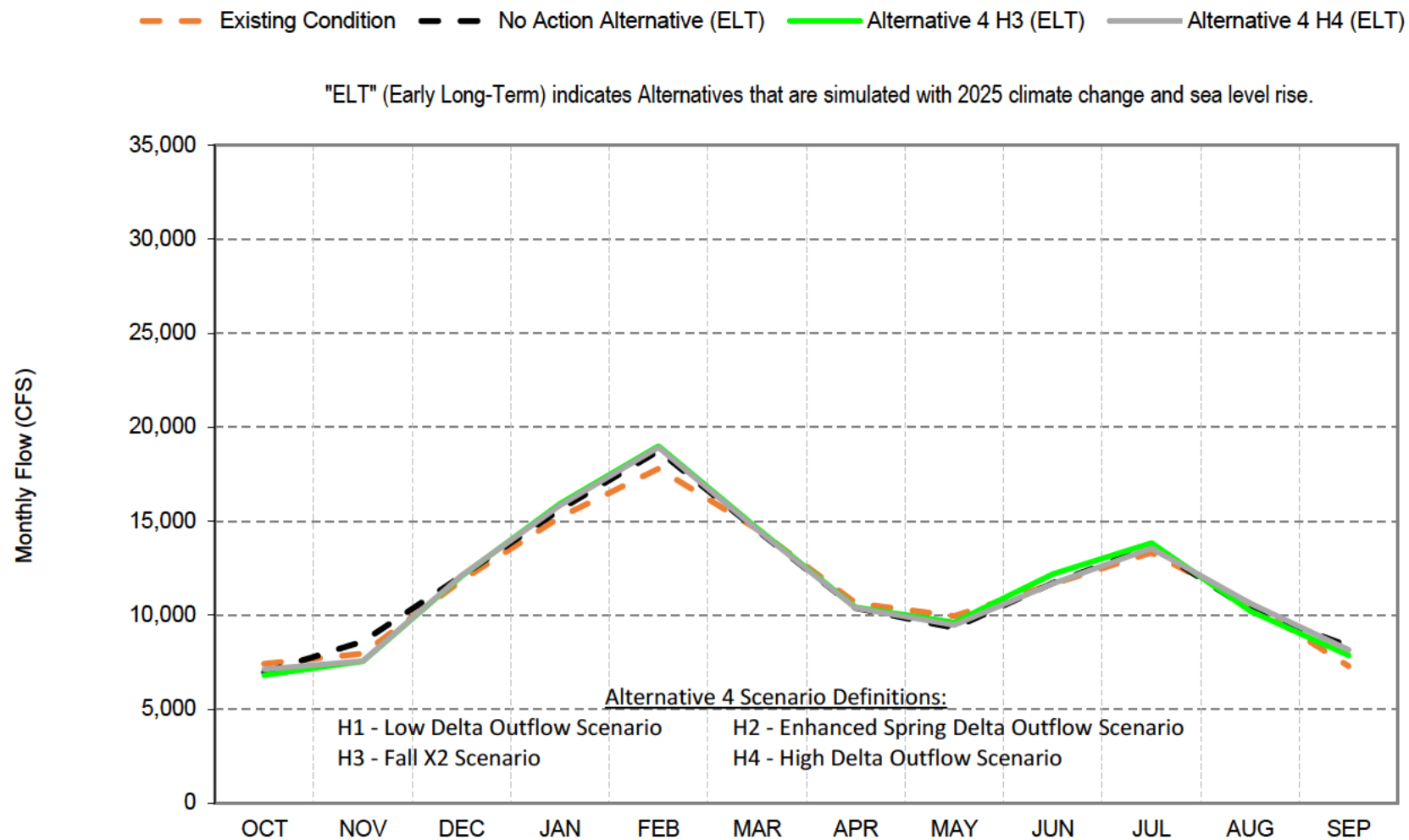




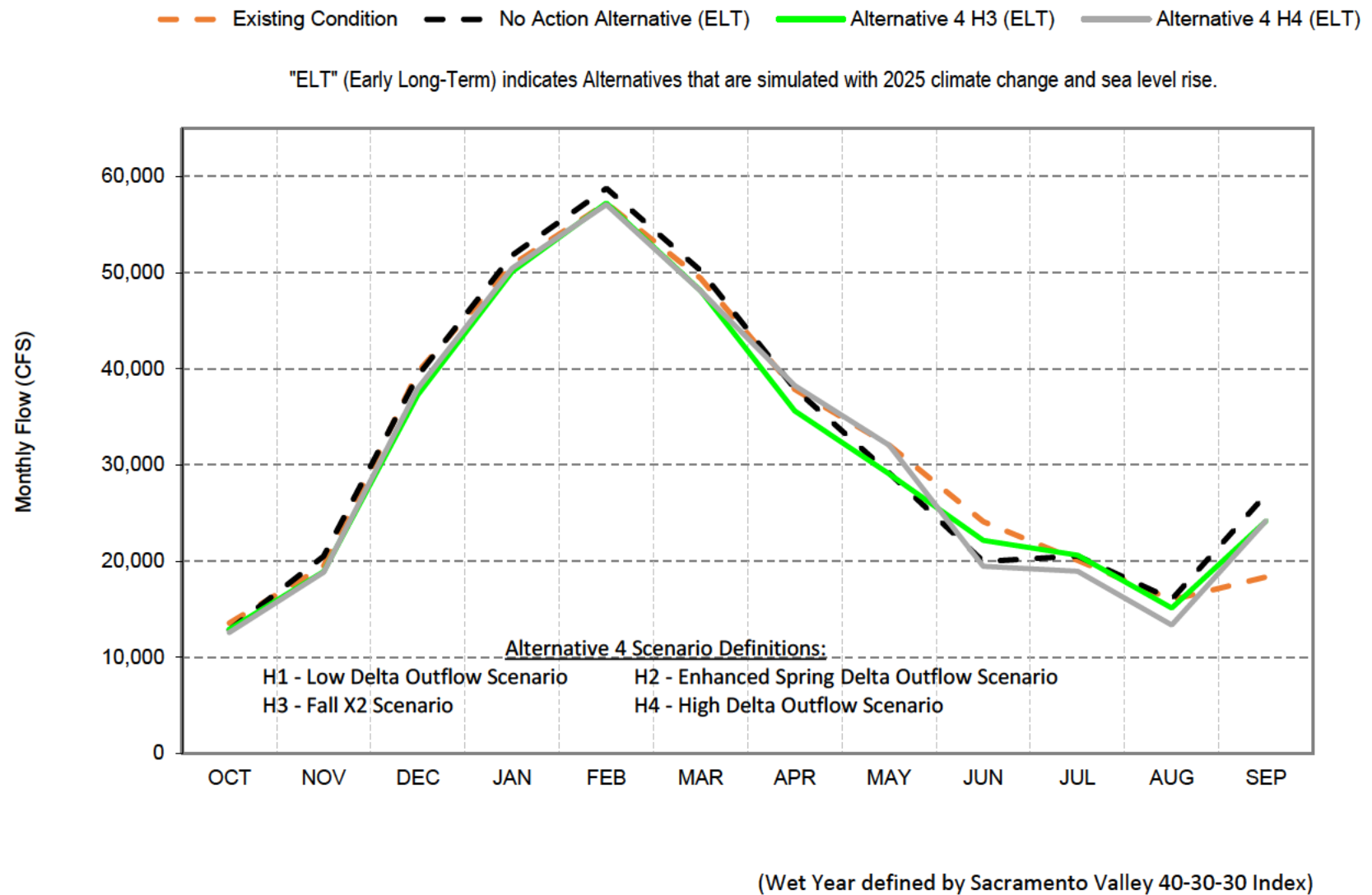
**Figure 4.3.1-34**  
**SWP and CVP South Delta Exports for Alternative 4A Dry Year Average Monthly**



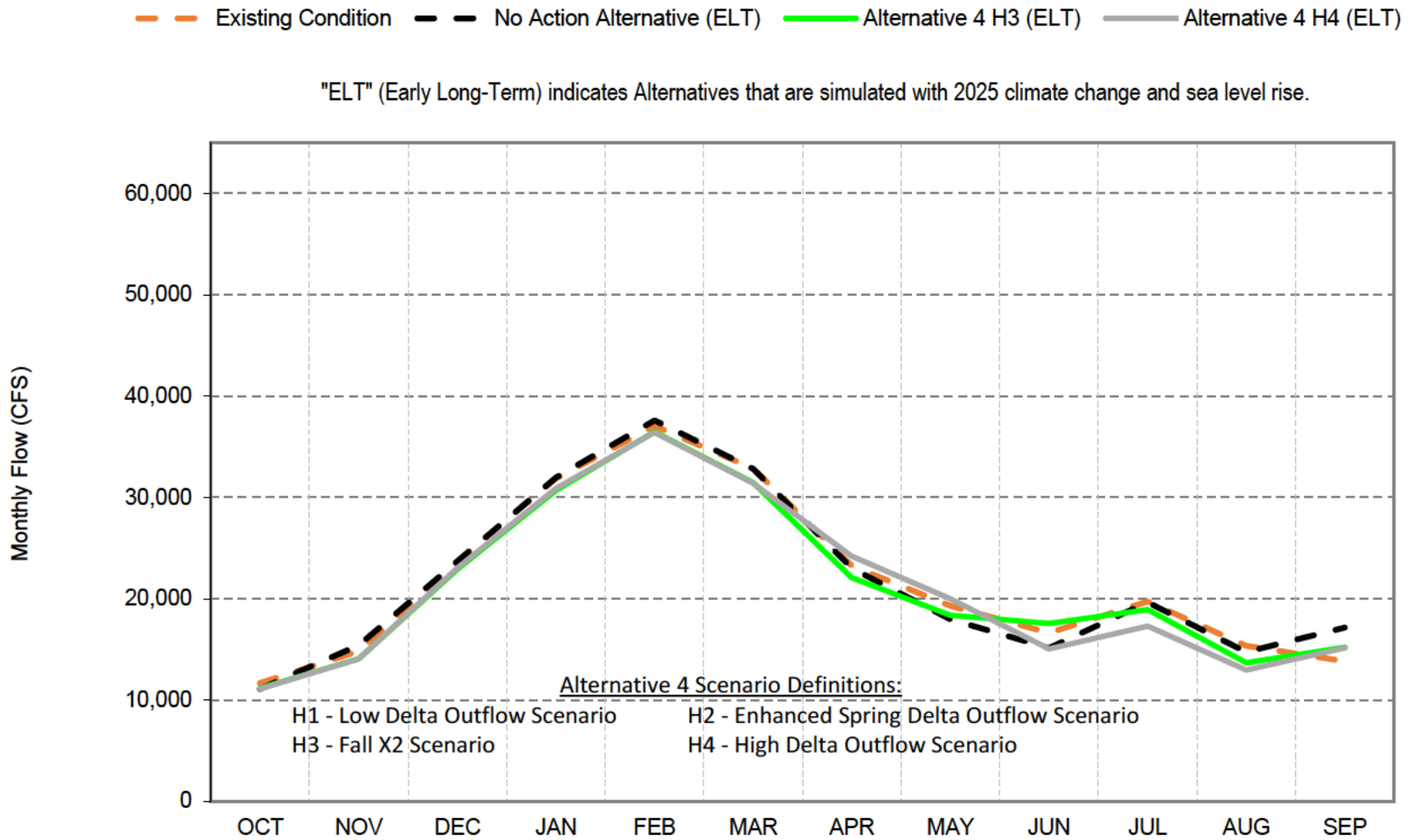
**Figure 4.3.2-1**  
**Sacramento River at Bend Bridge for Alternative 4A, Average Wet Years**



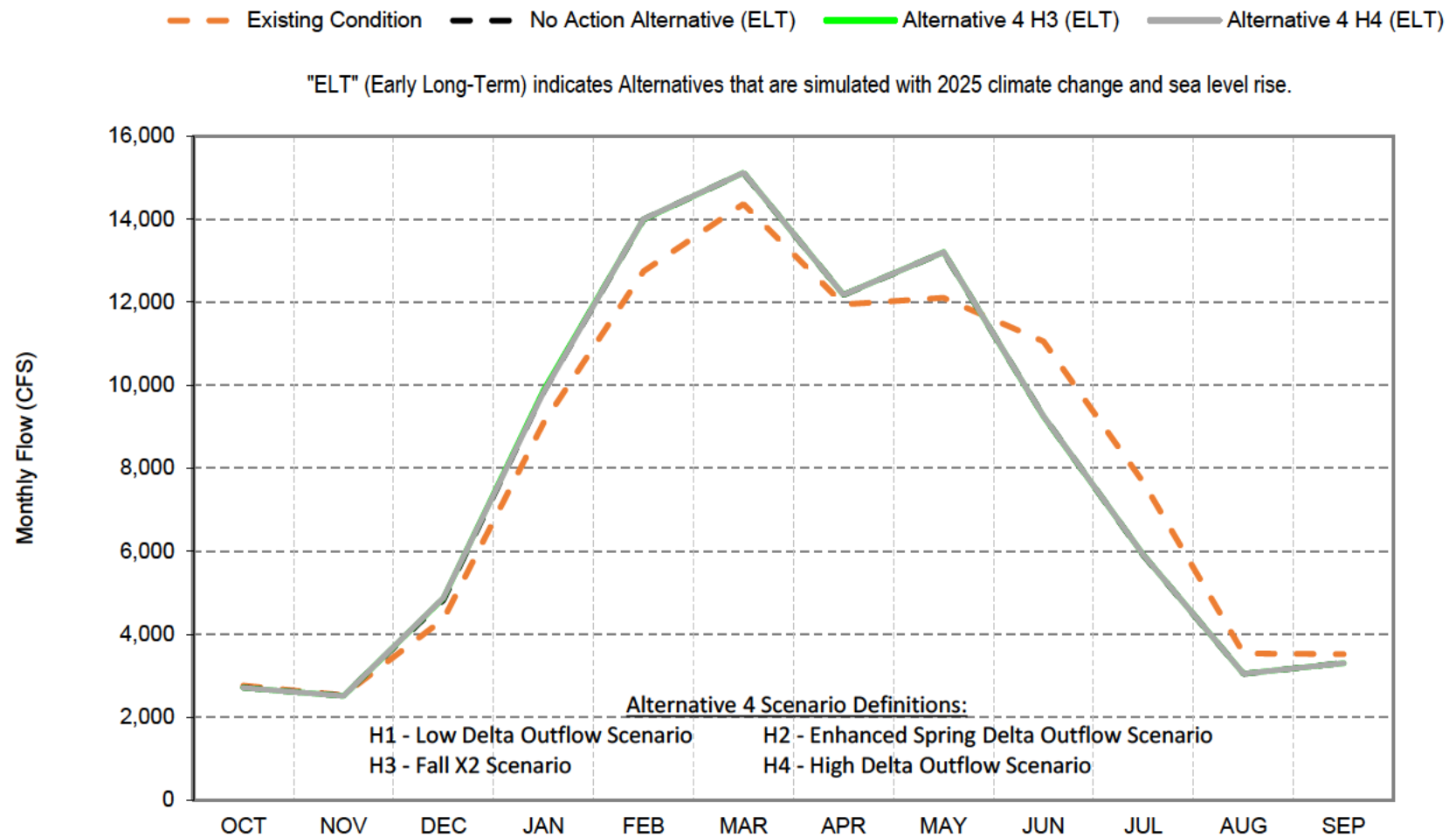
**Figure 4.3.2-2**  
**Sacramento River Flow at Bend Bridge for Alternative 4A, Long-Term Average**



**Figure 4.3.2-3**  
**Sacramento River Flow at Freeport for Alternative 4A, Average Wet Years**

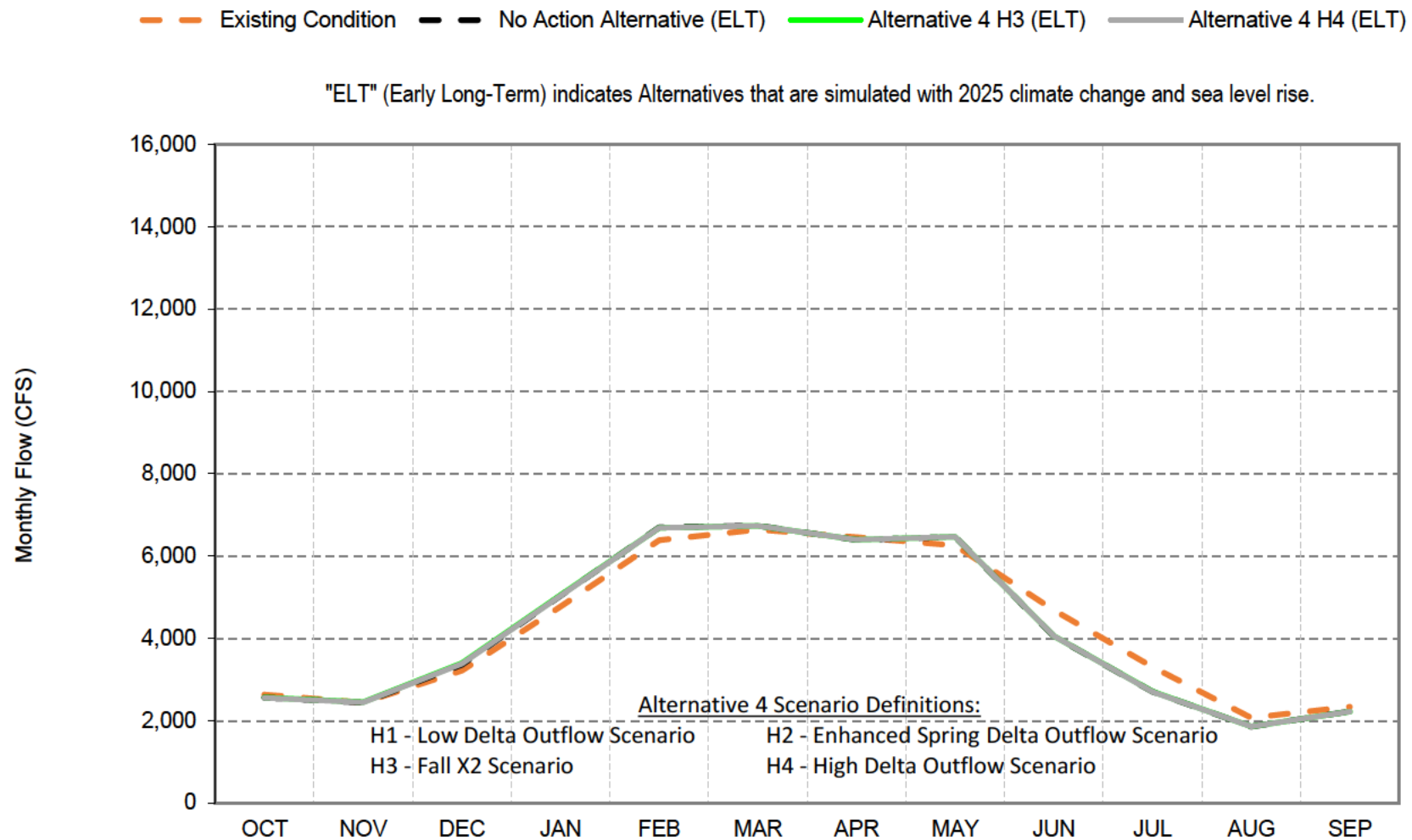


**Figure 4.3.2-4**  
**Sacramento River Flow at Freeport for Alternative 4A, Long-Term Average**



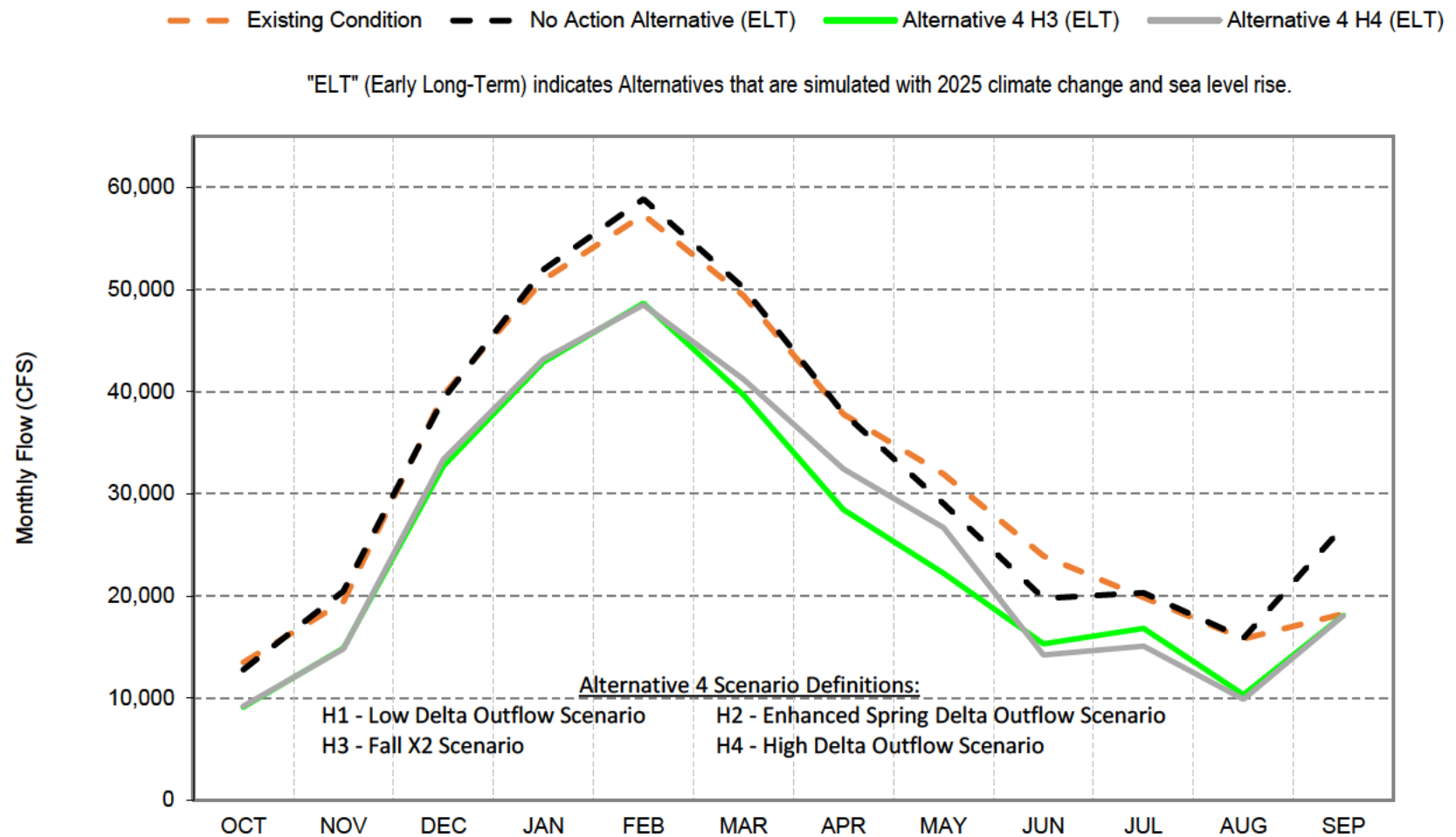
(Wet Year defined by San Joaquin River Basin 60-20-20 Index)

**Figure 4.3.2-5**  
**San Joaquin River Flow at Vernalis for Alternative 4A, Average Wet Years**



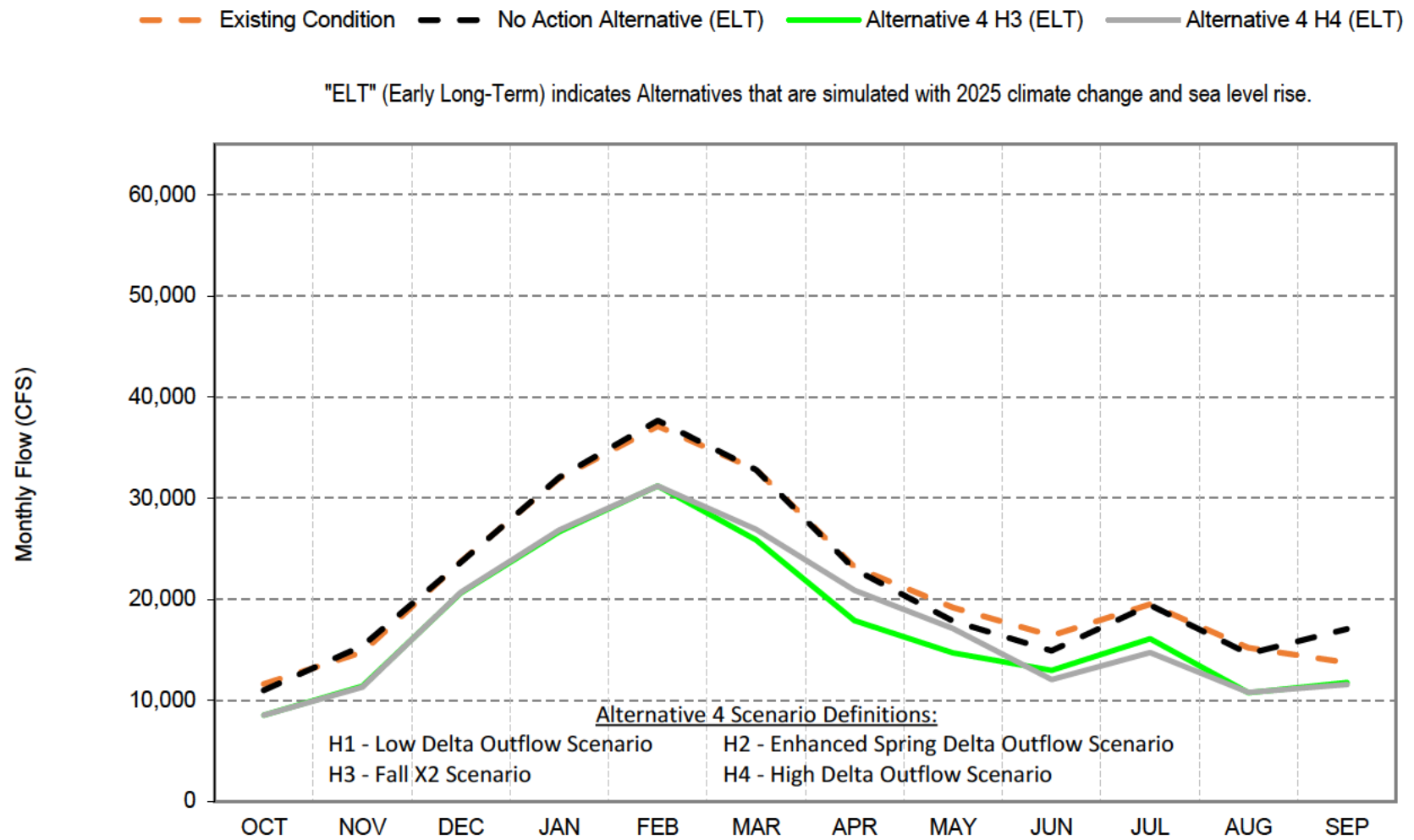
**Figure 4.3.2-6**  
**San Joaquin River Flow at Vernalis for Alternative 4A, Long-Term Average**





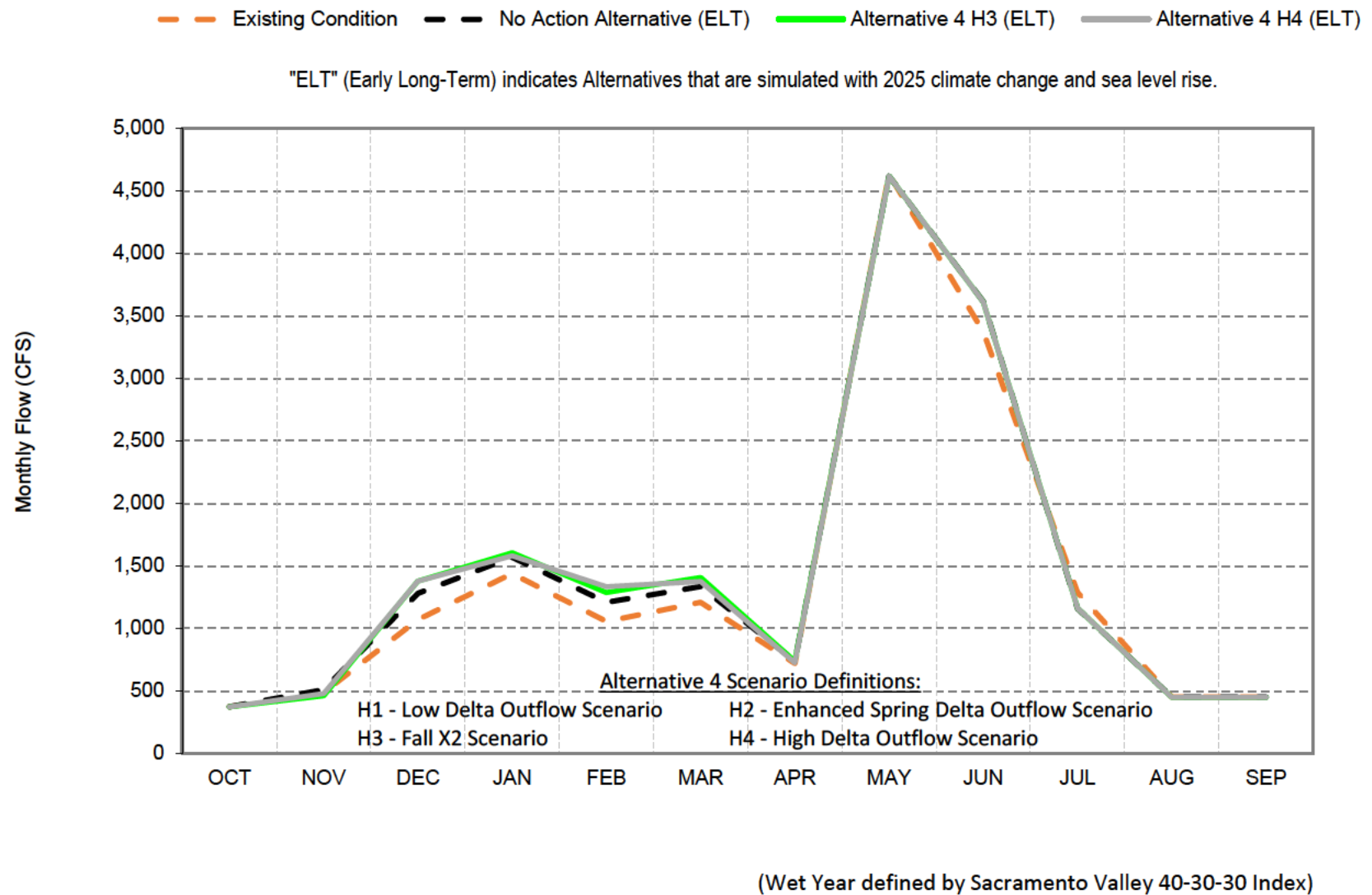
(Wet Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.3.2-7**  
**Sacramento River Flow downstream of North Delta Intakes for Alternative 4A, Average Wet Years**



**Figure 4.3.2-8**

**Sacramento River Flow downstream of North Delta Intakes for Alternative 4A, Long-Term Average**



**Figure 4.3.2-9**  
**Trinity River Flow below Lewiston Dam for Alternative 4A, Average Wet Years**

Existing Condition    No Action Alternative (ELT)    Alternative 4 H3 (ELT)    Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

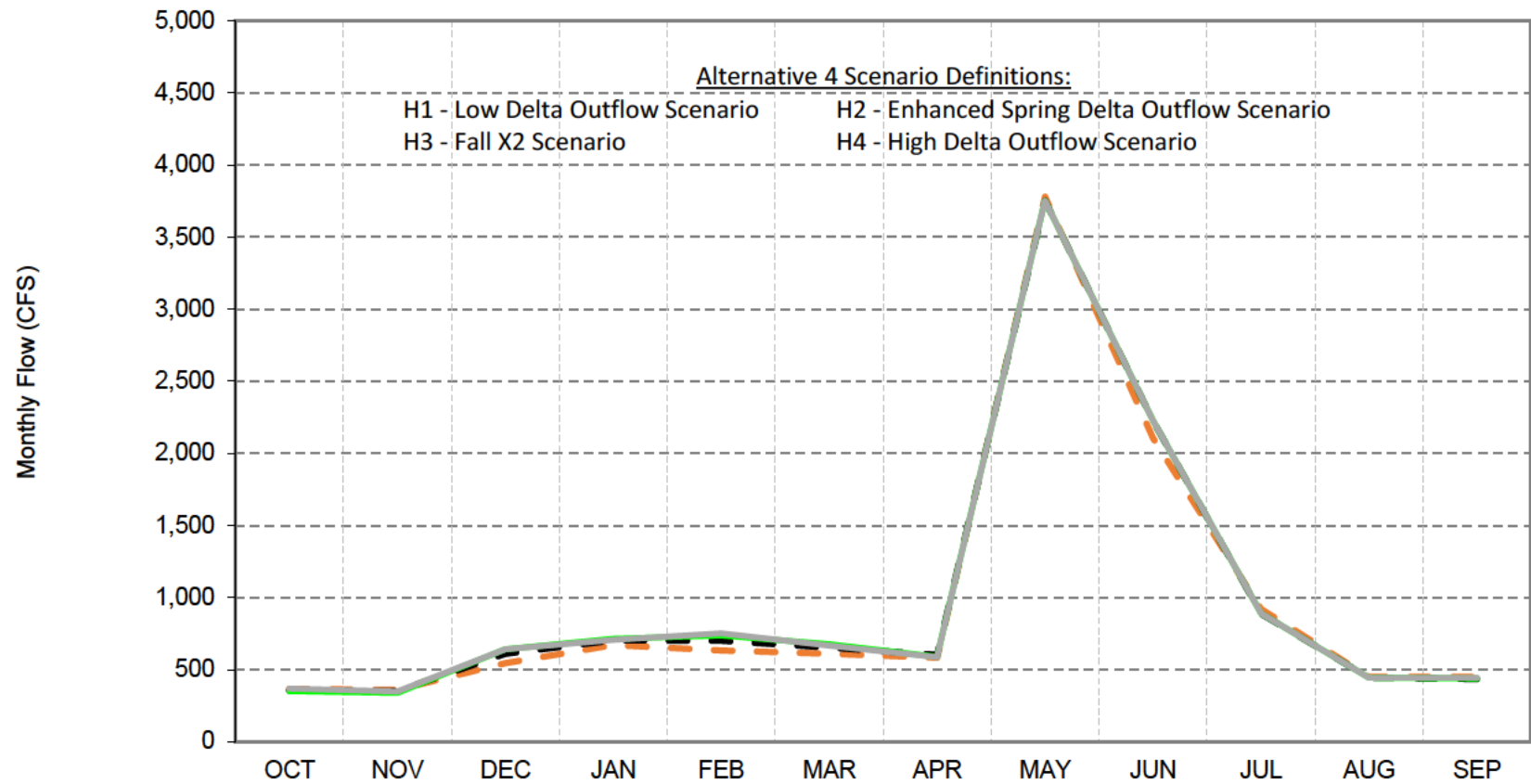
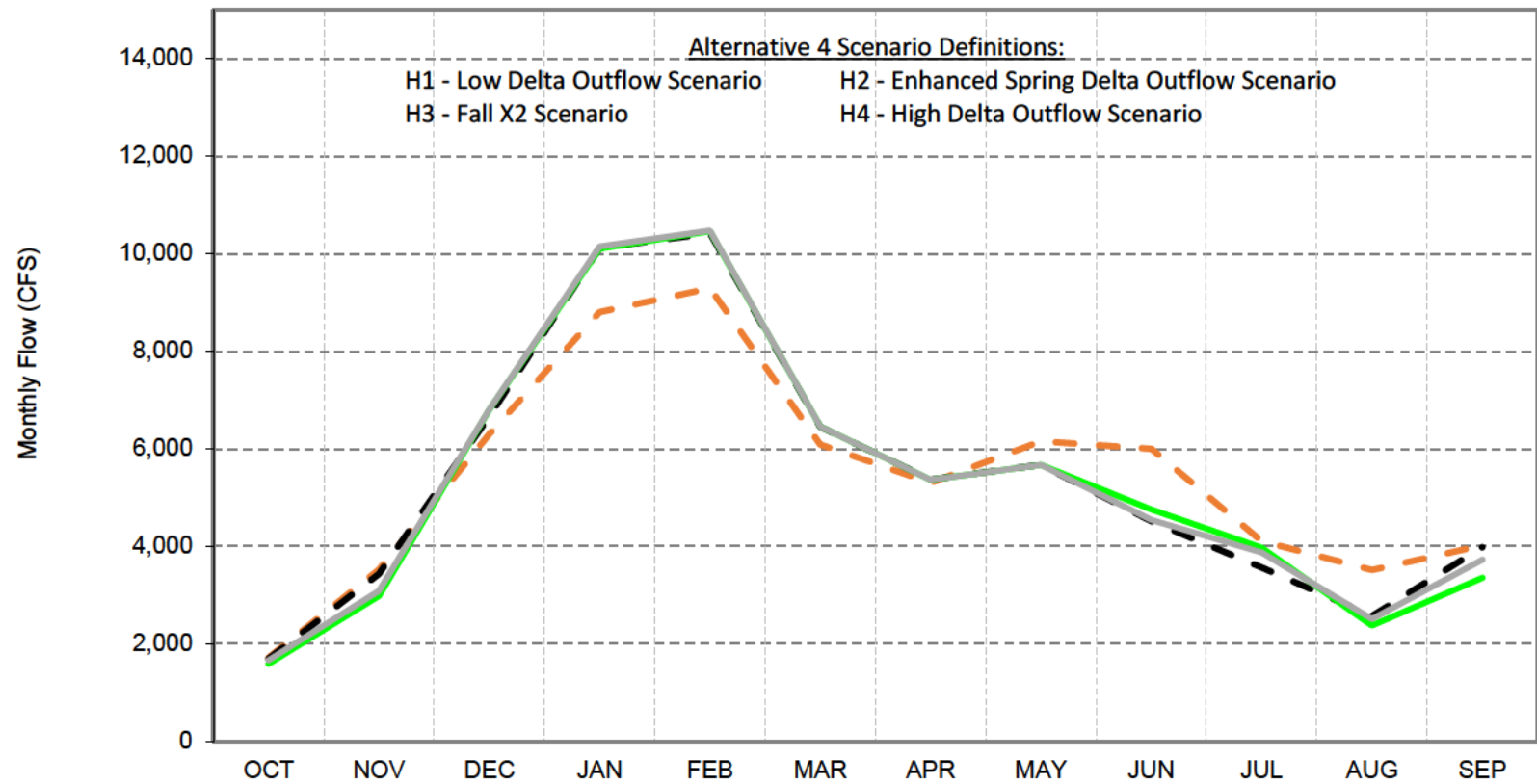


Figure 4.3.2-10  
Trinity River Flow below Lewiston Dam for Alternative 4A, Long-Term Average

— Existing Condition   
 — No Action Alternative (ELT)   
 — Alternative 4 H3 (ELT)   
 — Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

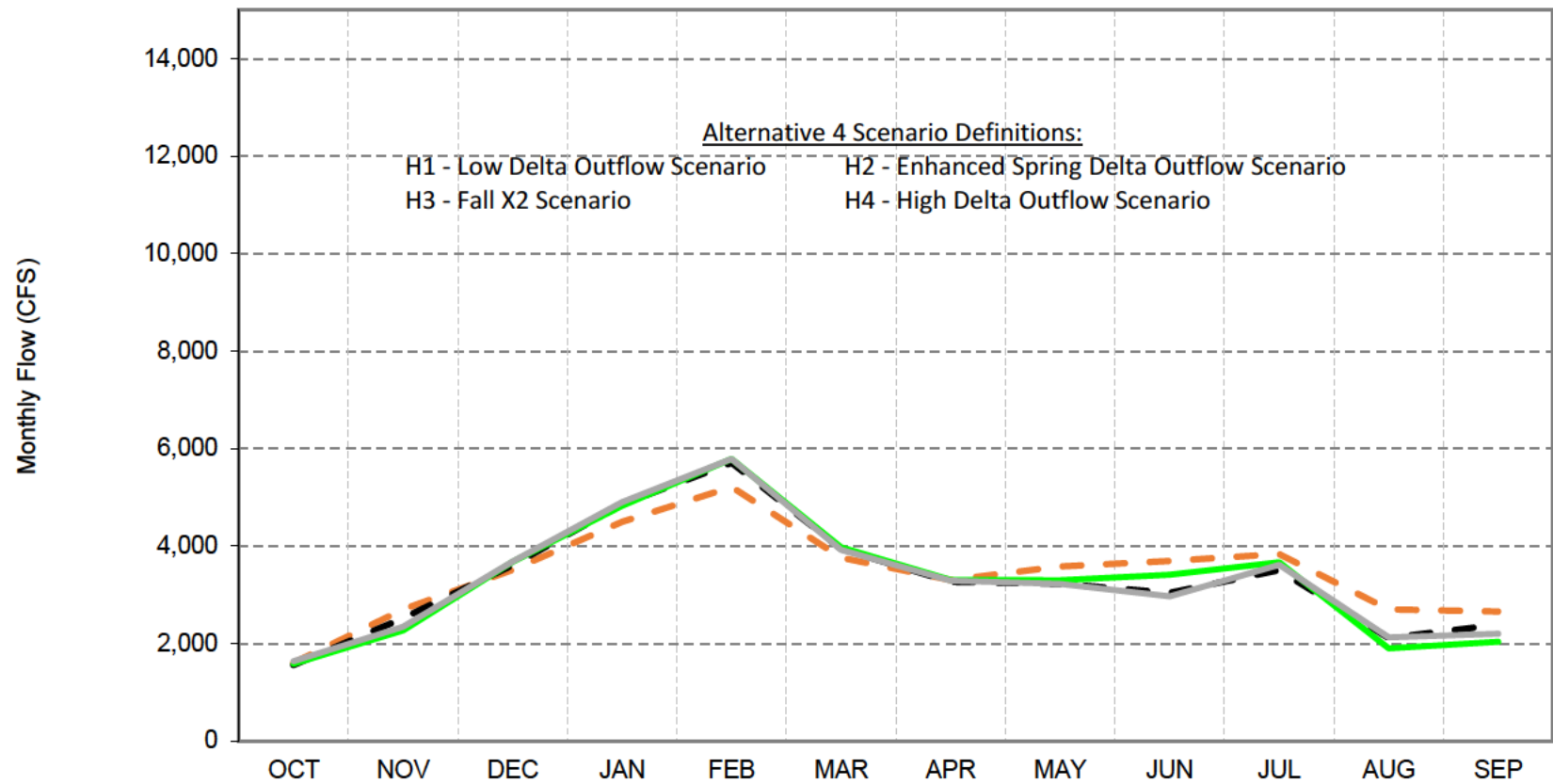


(Wet Year defined by Sacramento Valley 40-30-30 Index)

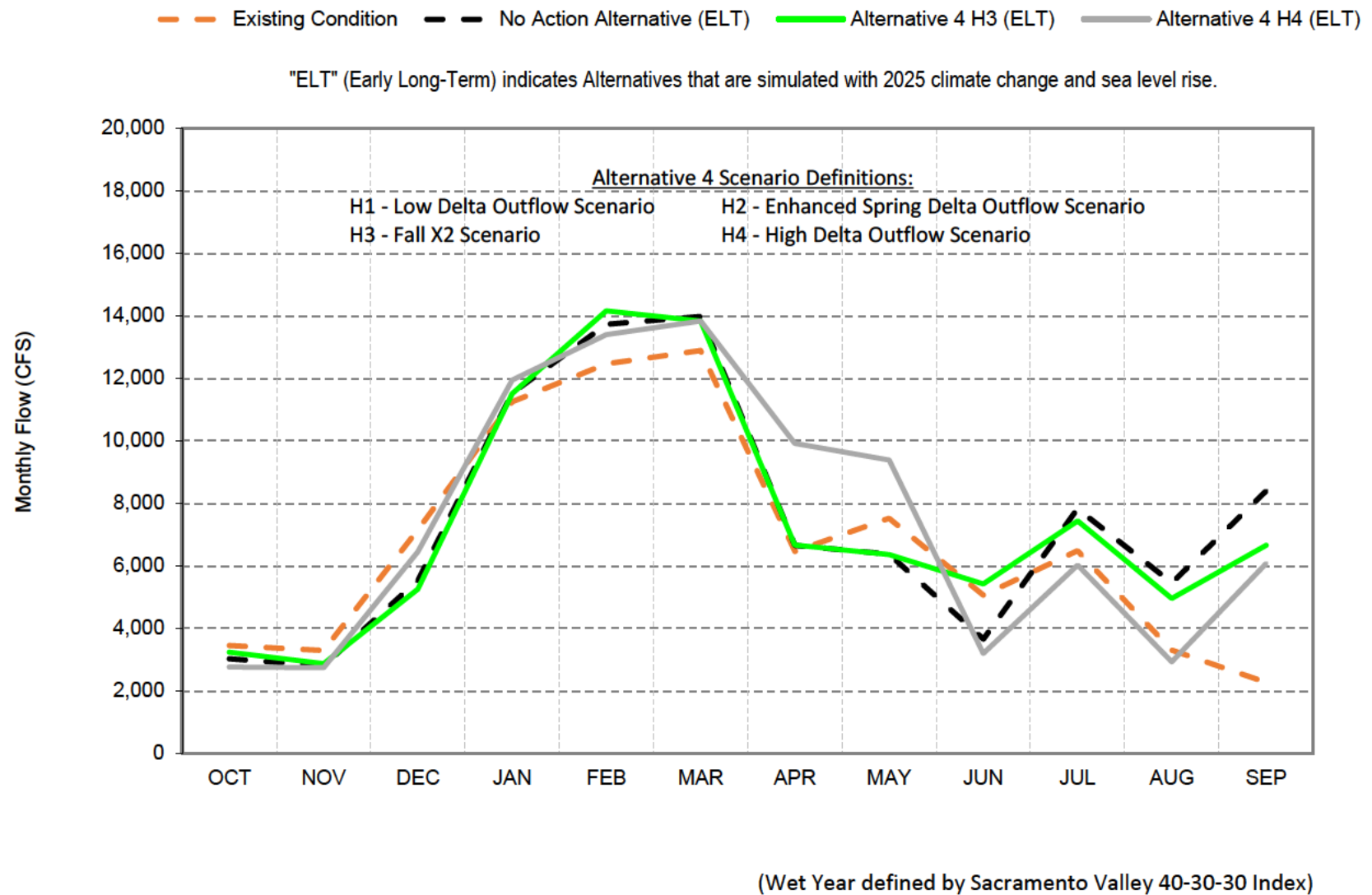
**Figure 4.3.2-11**  
**American River Flow below Nimbus Dam for Alternative 4A, Average Wet Years**

Existing Condition    No Action Alternative (ELT)    Alternative 4 H3 (ELT)    Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.



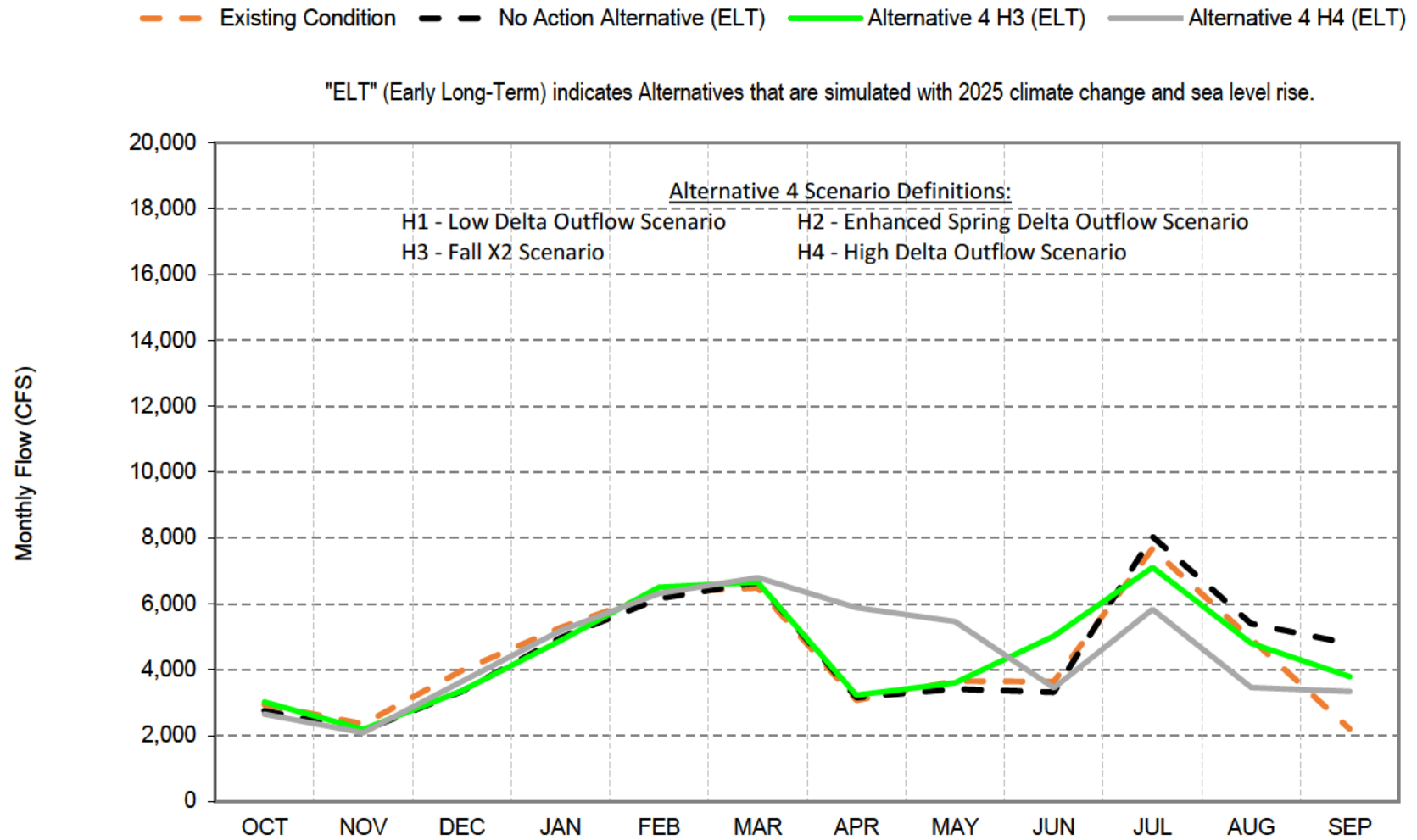
**Figure 4.3.2-12**  
**American River Flow below Nimbus Dam for Alternative 4A, Long-Term Average**



**Figure 4.3.2-13**

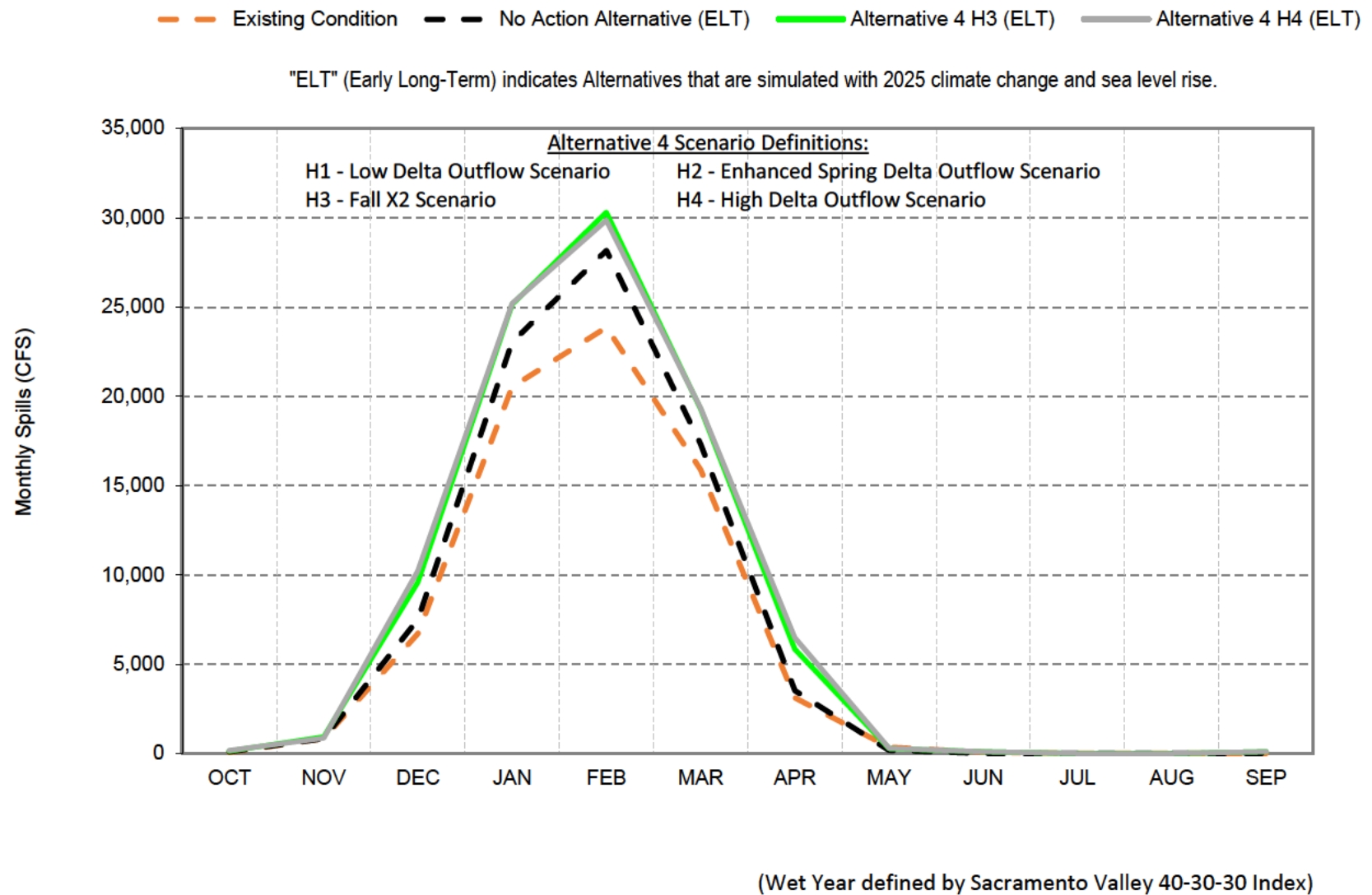
**Feather River Flow at Thermalito Dam for Alternative 4A, Average Wet Years**





**Figure 4.3.2-14**

**Feather River Flow at Thermalito Dam for Alternative 4A, Long-Term Average**



**Figure 4.3.2-15**  
**Flow Spills into Yolo Bypass at Fremont Weir for Alternative 4A, Average Wet Years**

Existing Condition    No Action Alternative (ELT)    Alternative 4 H3 (ELT)    Alternative 4 H4 (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

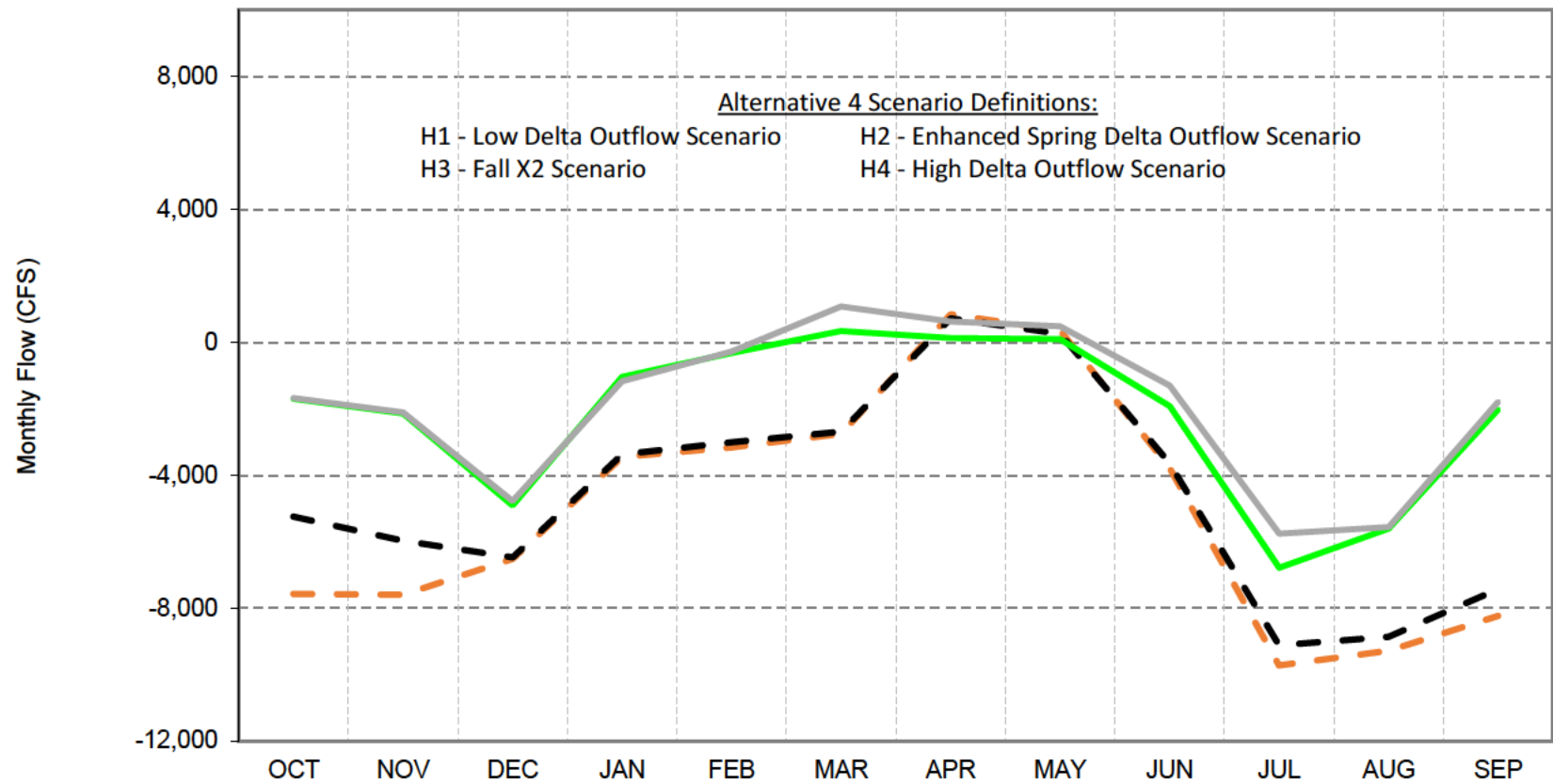
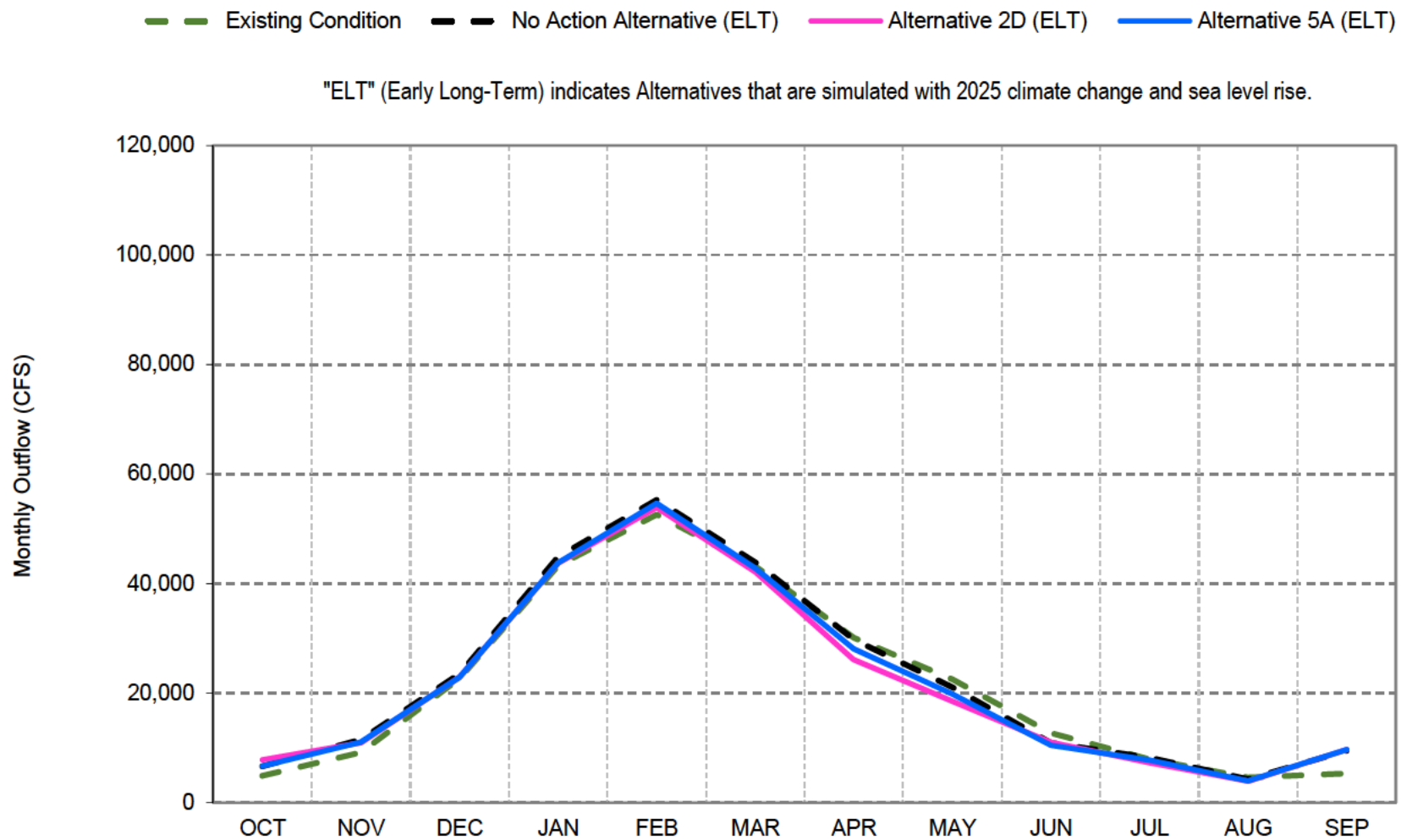
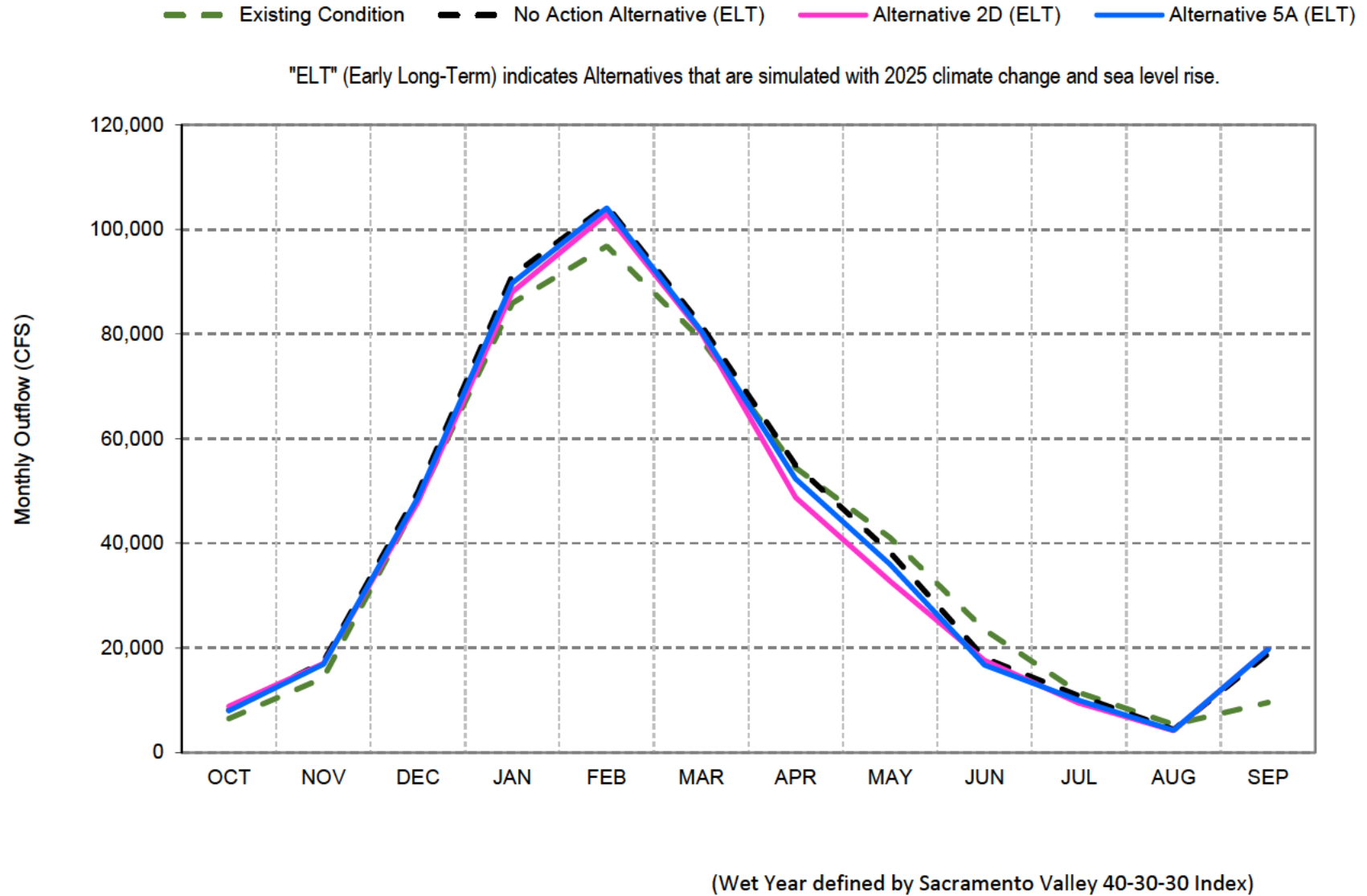


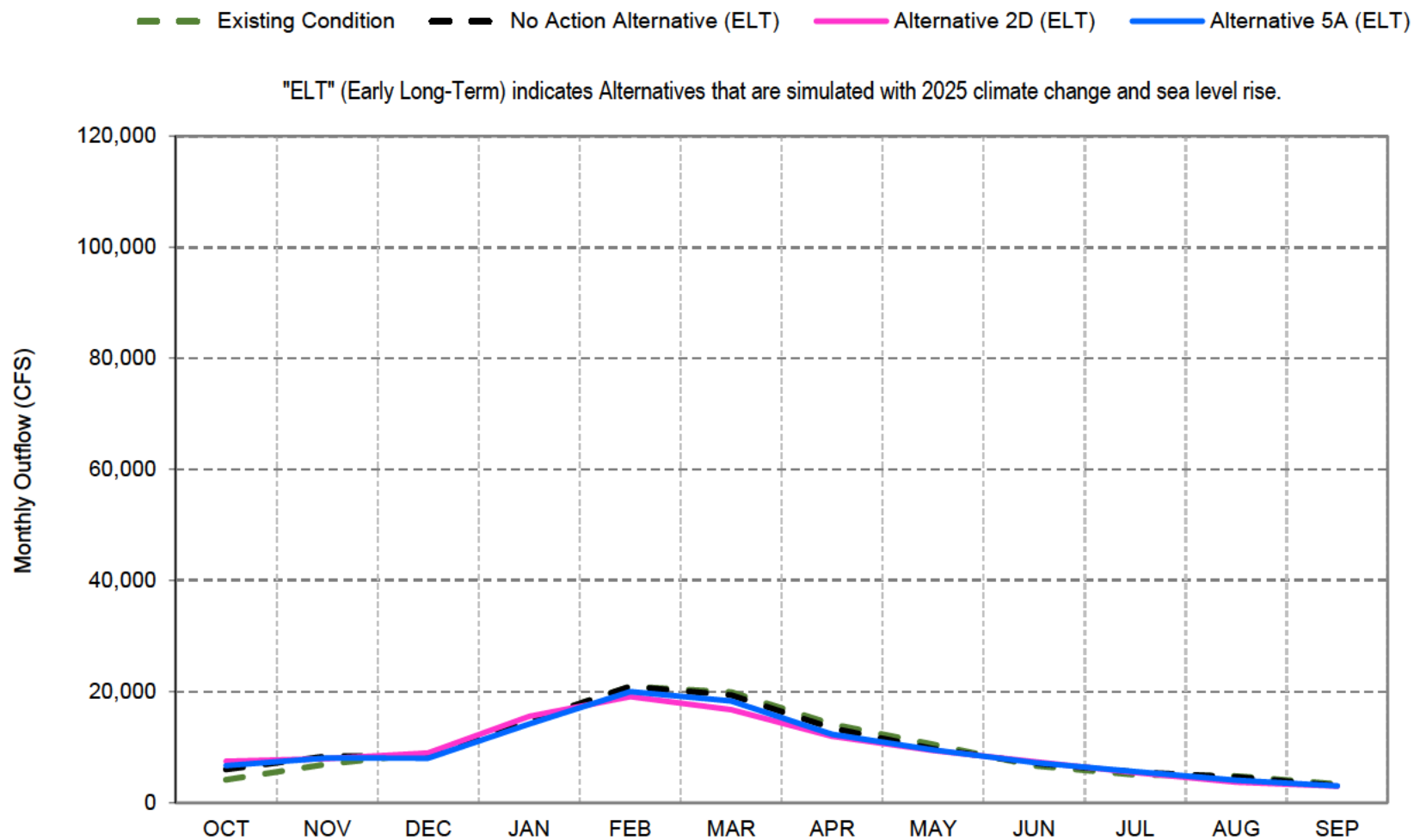
Figure 4.3.2-16  
Old and Middle River Flows for Alternative 4A, Long-Term Average



**Figure 4.4.1-1**  
**Sacramento/San Joaquin River Monthly Average Delta Outflow for Alternative 2D and Alternative 5A**

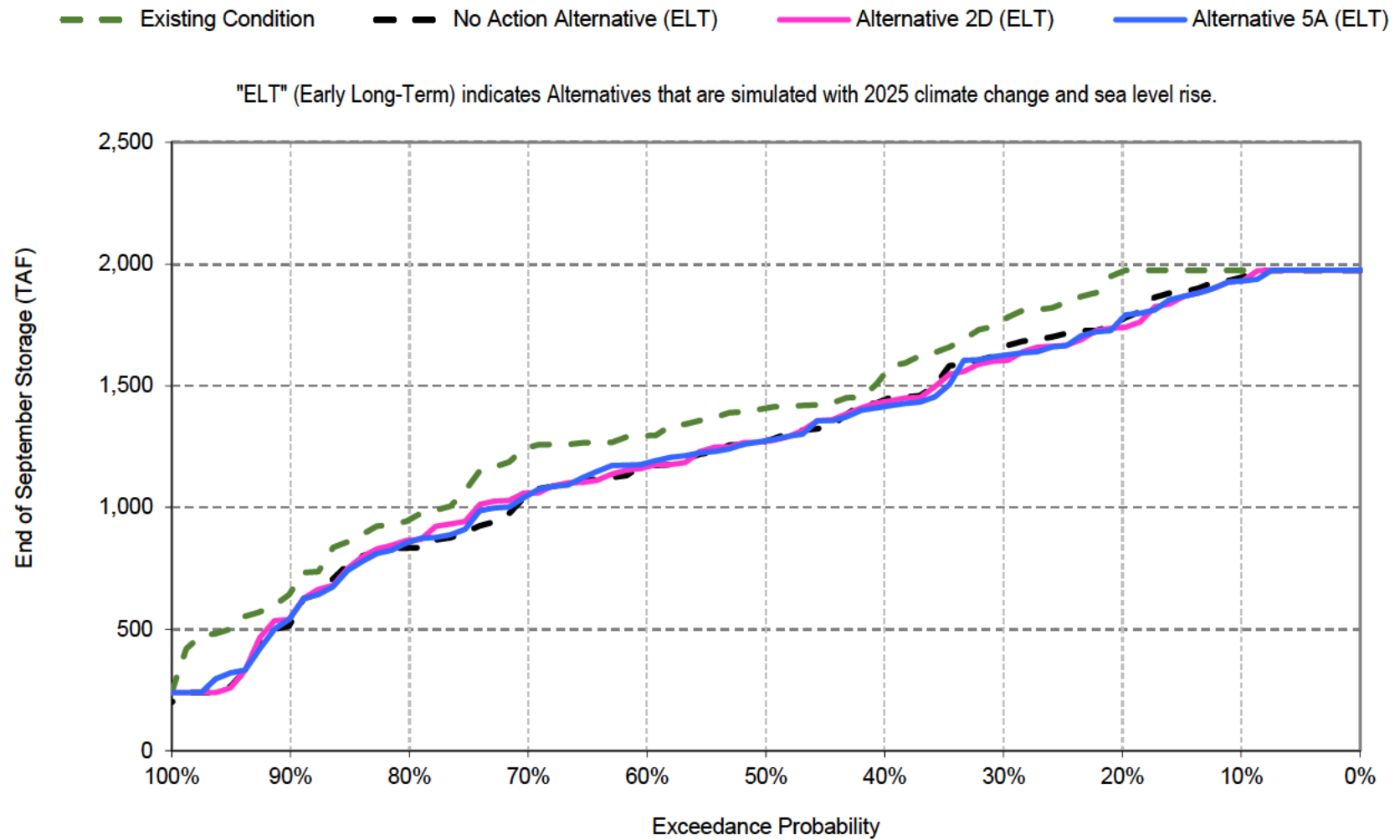


**Figure 4.4.1-2**  
**Sacramento/San Joaquin River Montly Average Wet Year Delta Outflow for Alternative 2D and Alternative 5A**



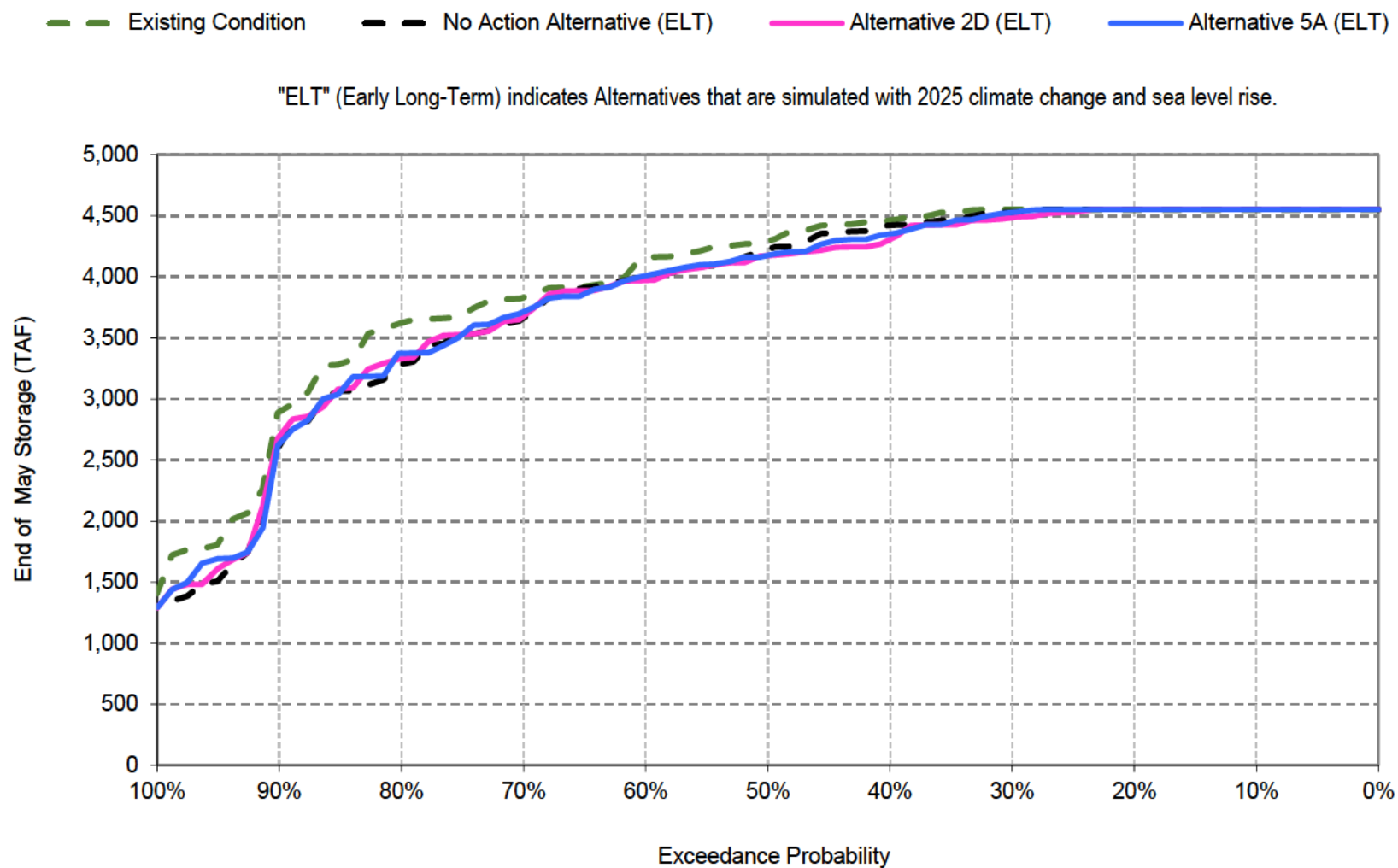
(Dry Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.4.1-3**  
**Sacramento/San Joaquin River Dry Year Monthly Average Delta Outflow for Alternative 2D and Alternative 5A**

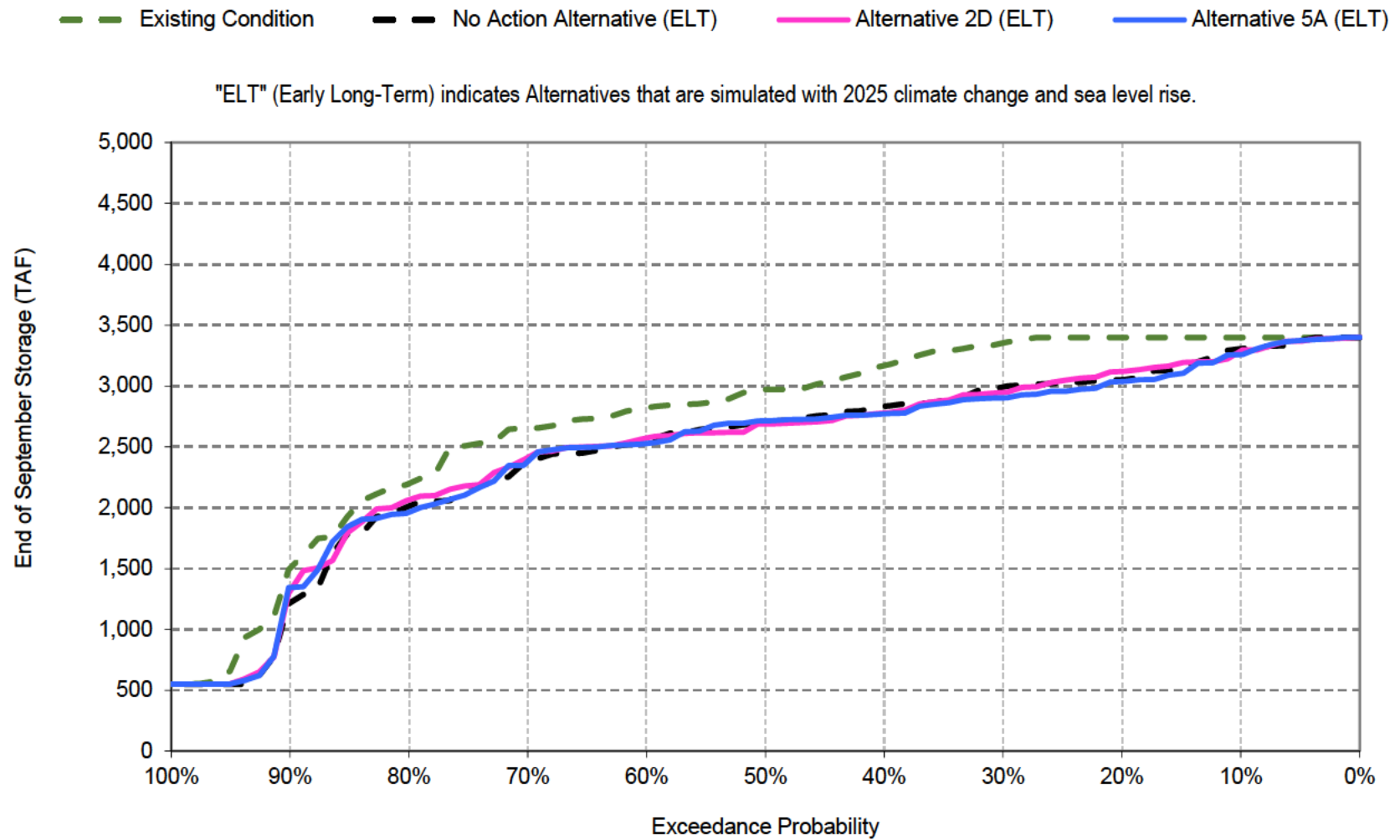


**Figure 4.4.1-4**  
**Trinity Lake End of September Storage for Alternative 2D and Alternative 5A**

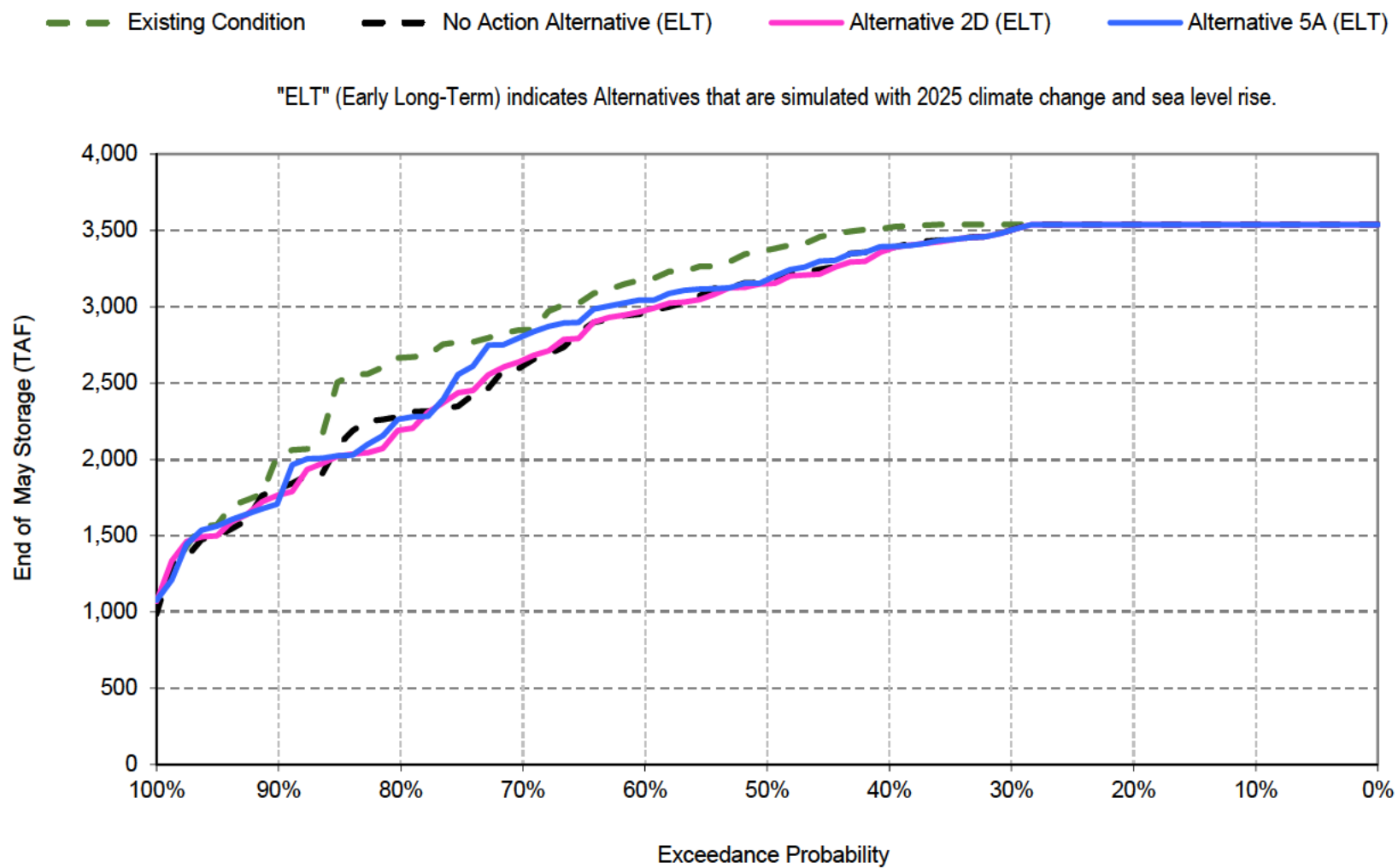




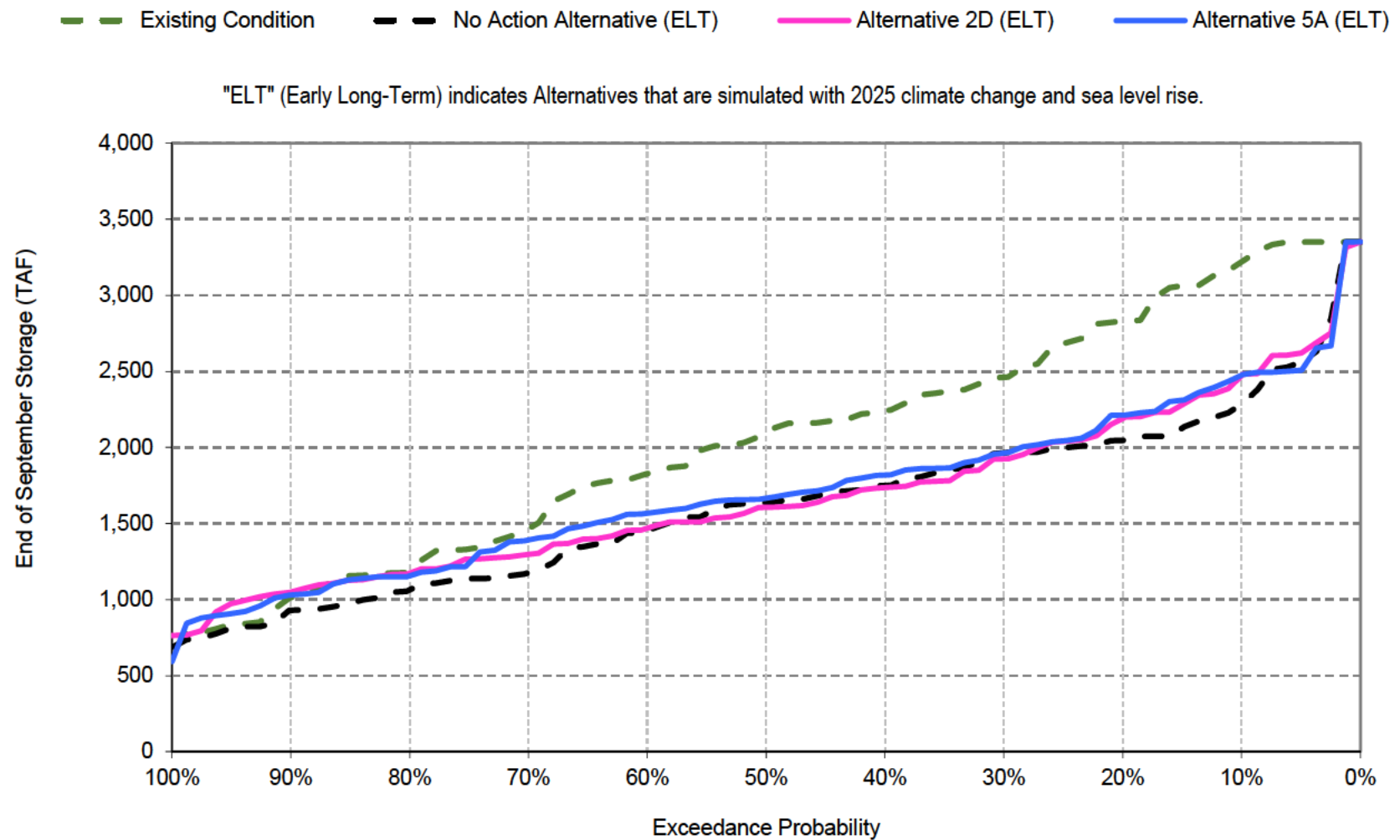
**Figure 4.4.1-5**  
**Shasta Lake End of May Storage for Alternative 2D and Alternative 5A**



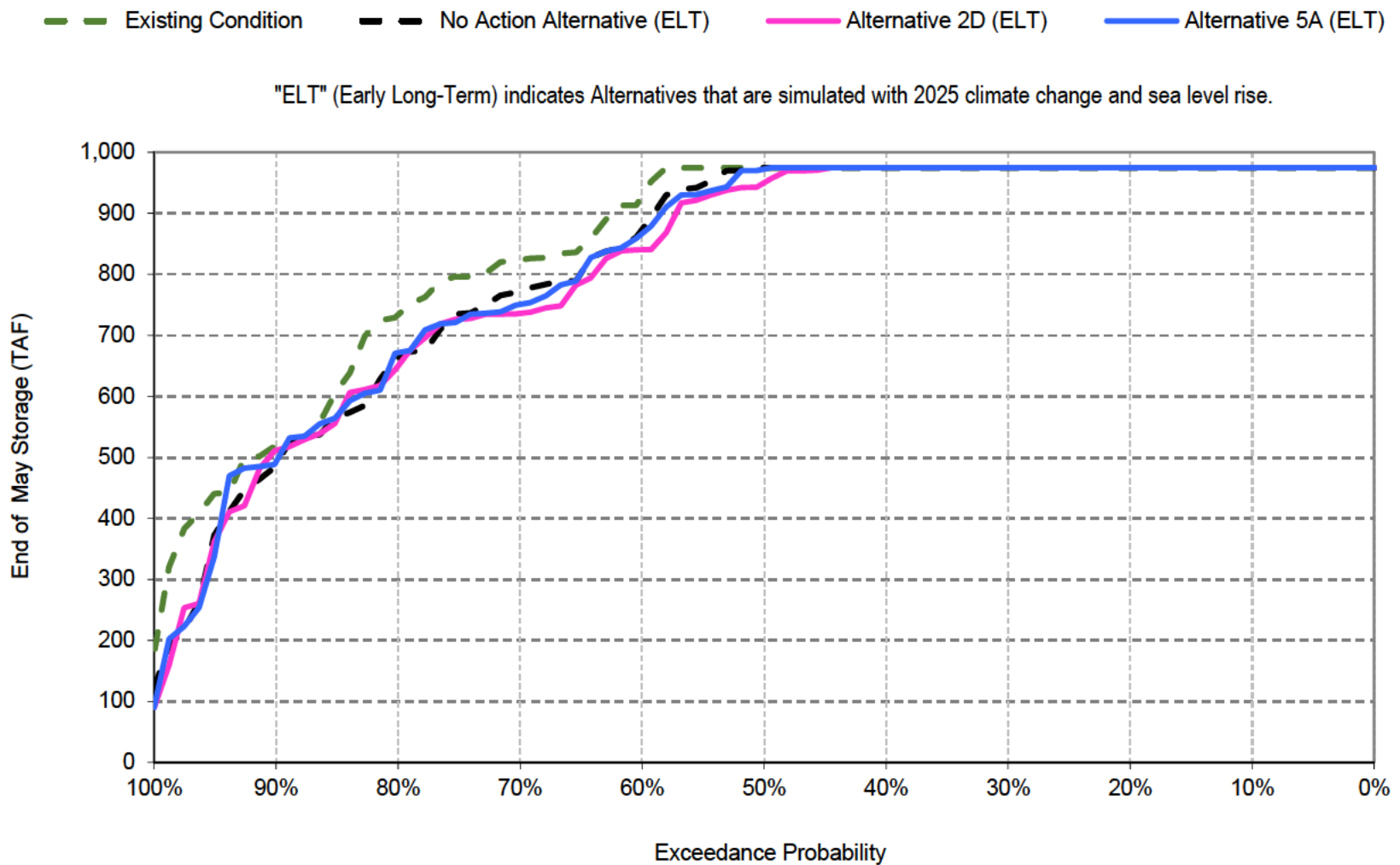
**Figure 4.4.1-6**  
**Shasta Lake End of September Storage for Alternative 2D and Alternative 5A**



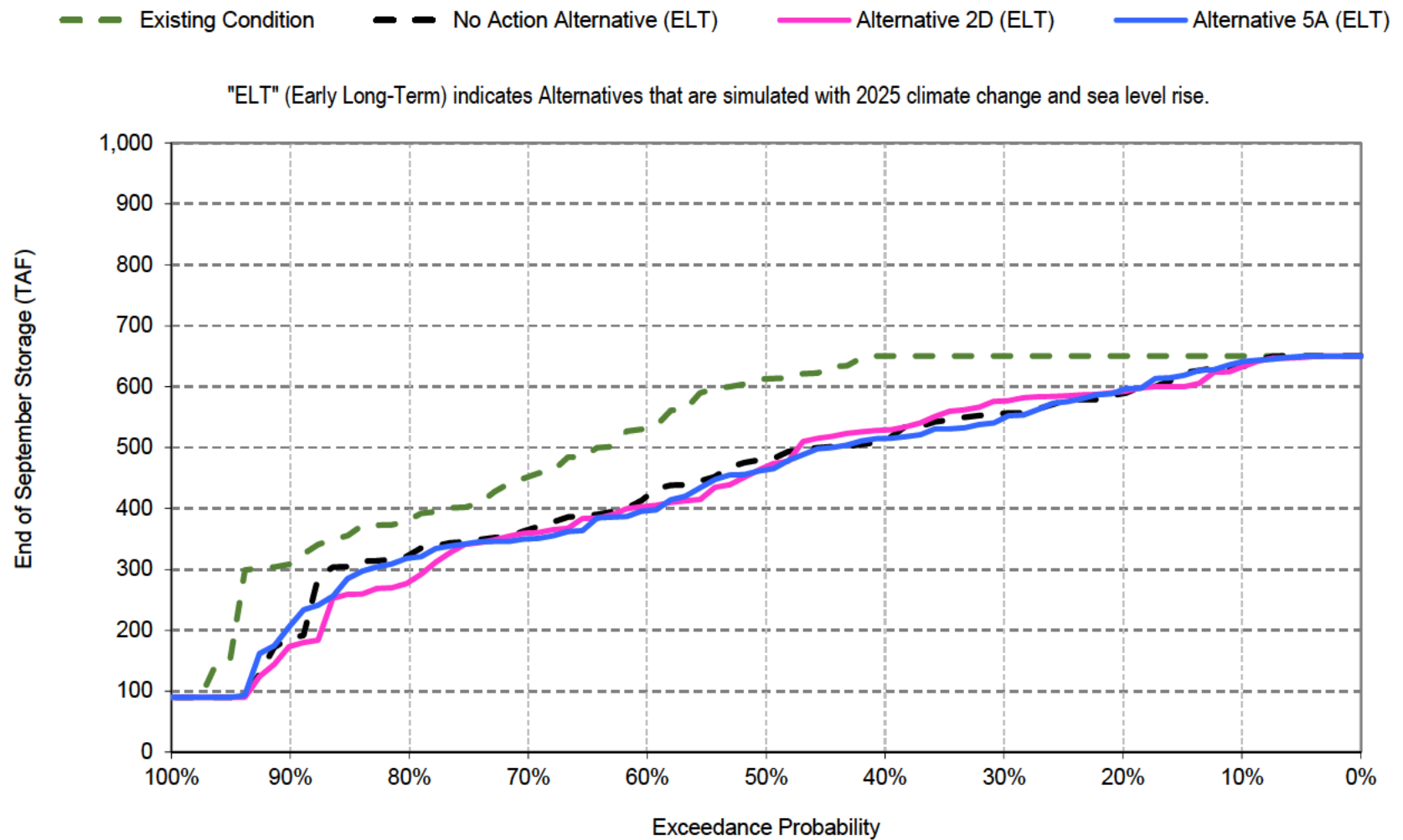
**Figure 4.4.1-7**  
**Lake Oroville End of May Storage for Alternative 2D and Alternative 5A**



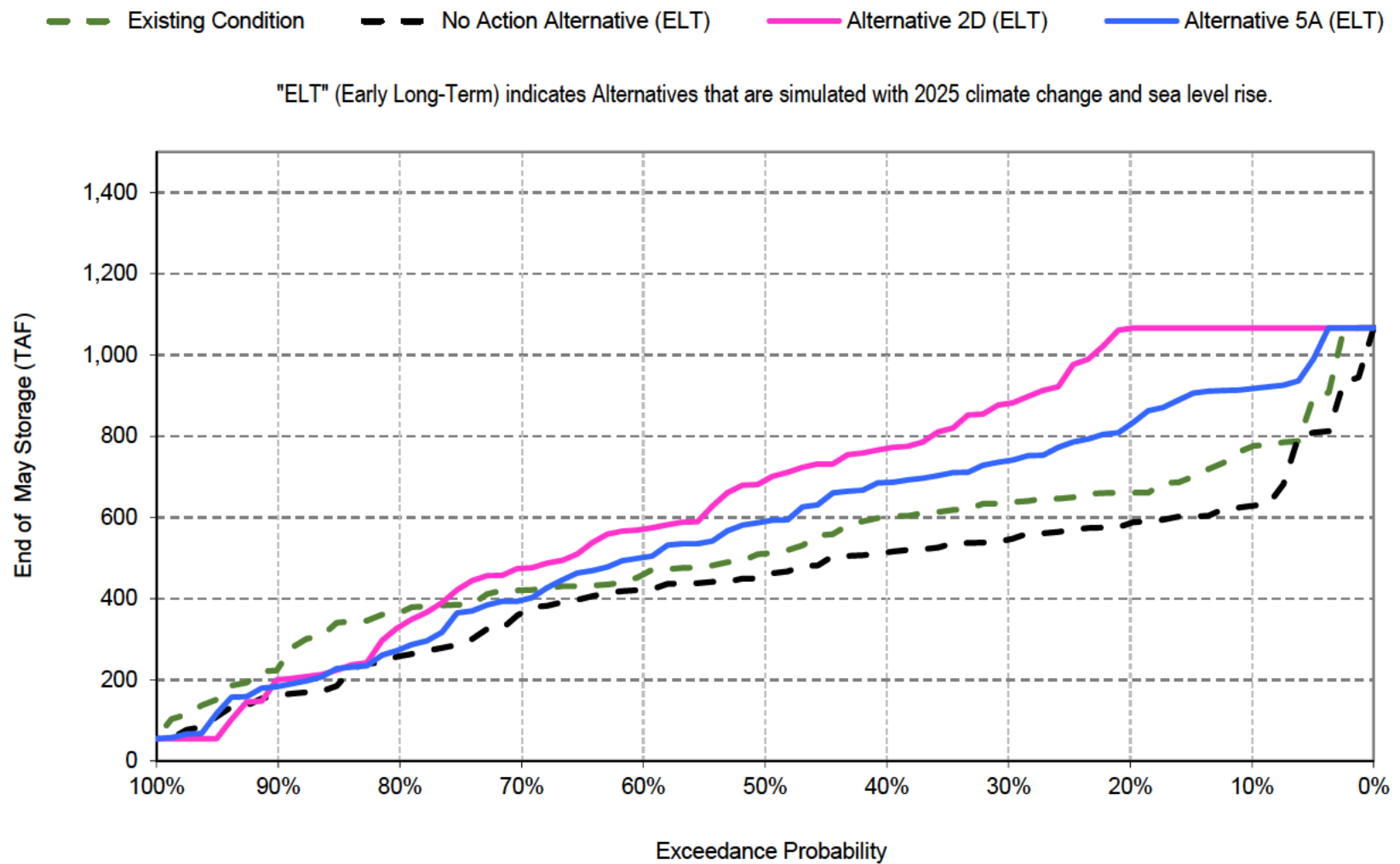
**Figure 4.4.1-8**  
**Lake Oroville End of September Storage for Alternative 2D and Alternative 5A**



**Figure 4.4.1-9**  
**Folsom Lake End of May Storage for Alternative 2D and Alternative 5A**



**Figure 4.4.1-10**  
**Folsom Lake End of September Storage for Alternative 2D and Alternative 5A**



**Figure 4.4.1-11**  
**SWP San Luis Reservoir End of May Storage for Alternative 2D and Alternative 5A**

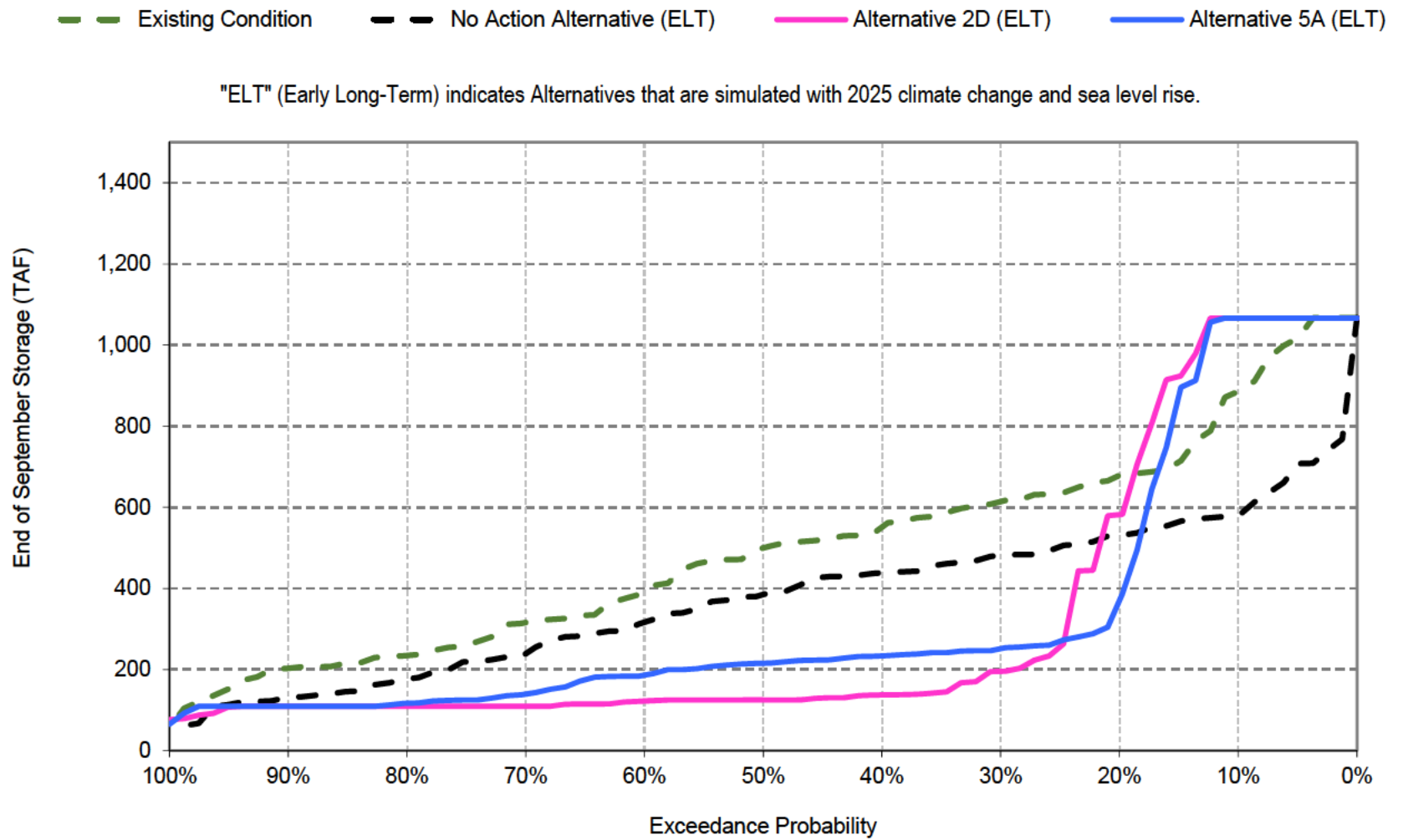


Figure 4.4.1-12

SWP San Luis Reservoir End of September Storage for Alternative 2D and Alternative 5A



Existing Condition    No Action Alternative (ELT)    Alternative 2D (ELT)    Alternative 5A (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

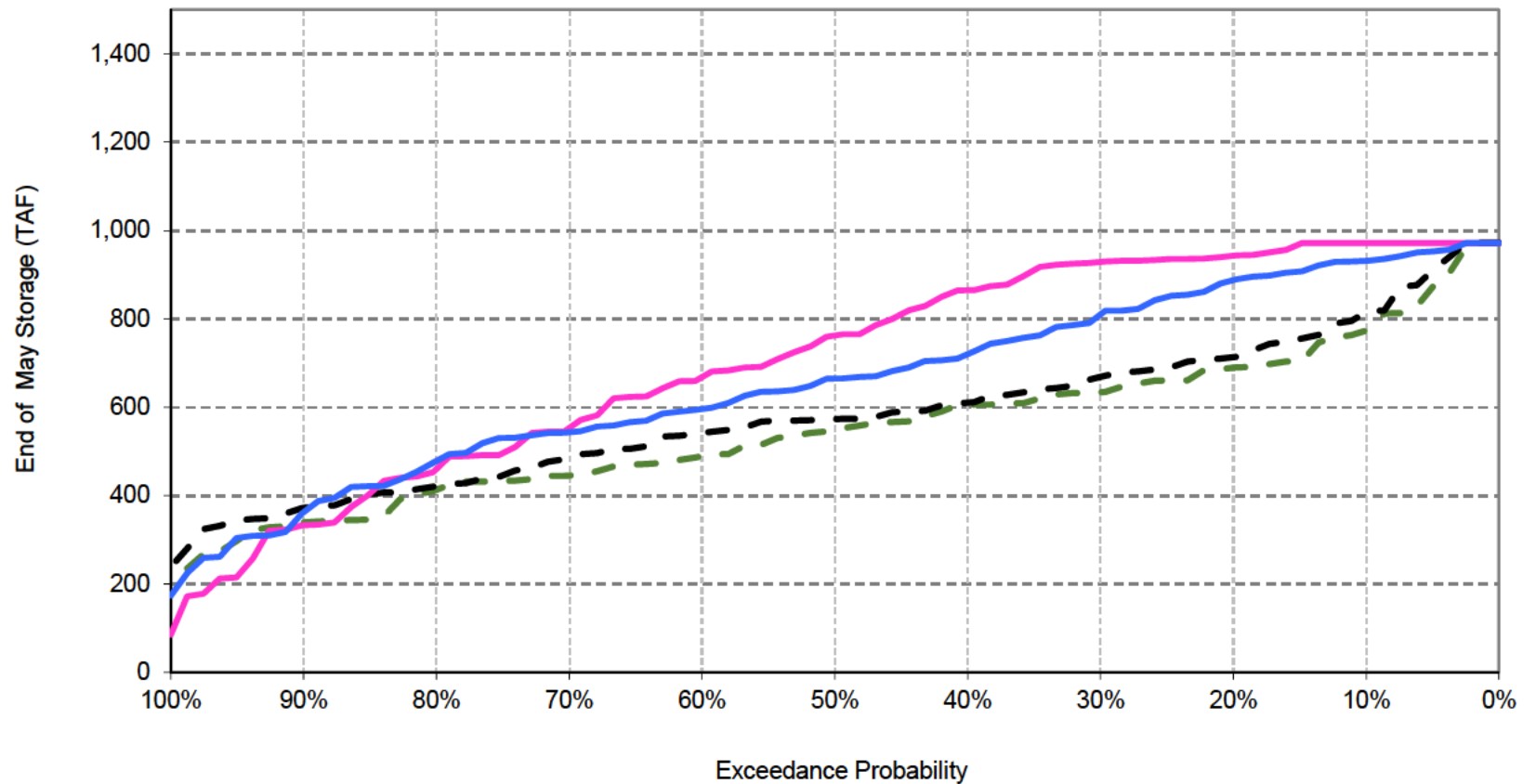


Figure 4.4.1-13

CVP San Luis Reservoir End of May Storage for Alternative 2D and Alternative 5A

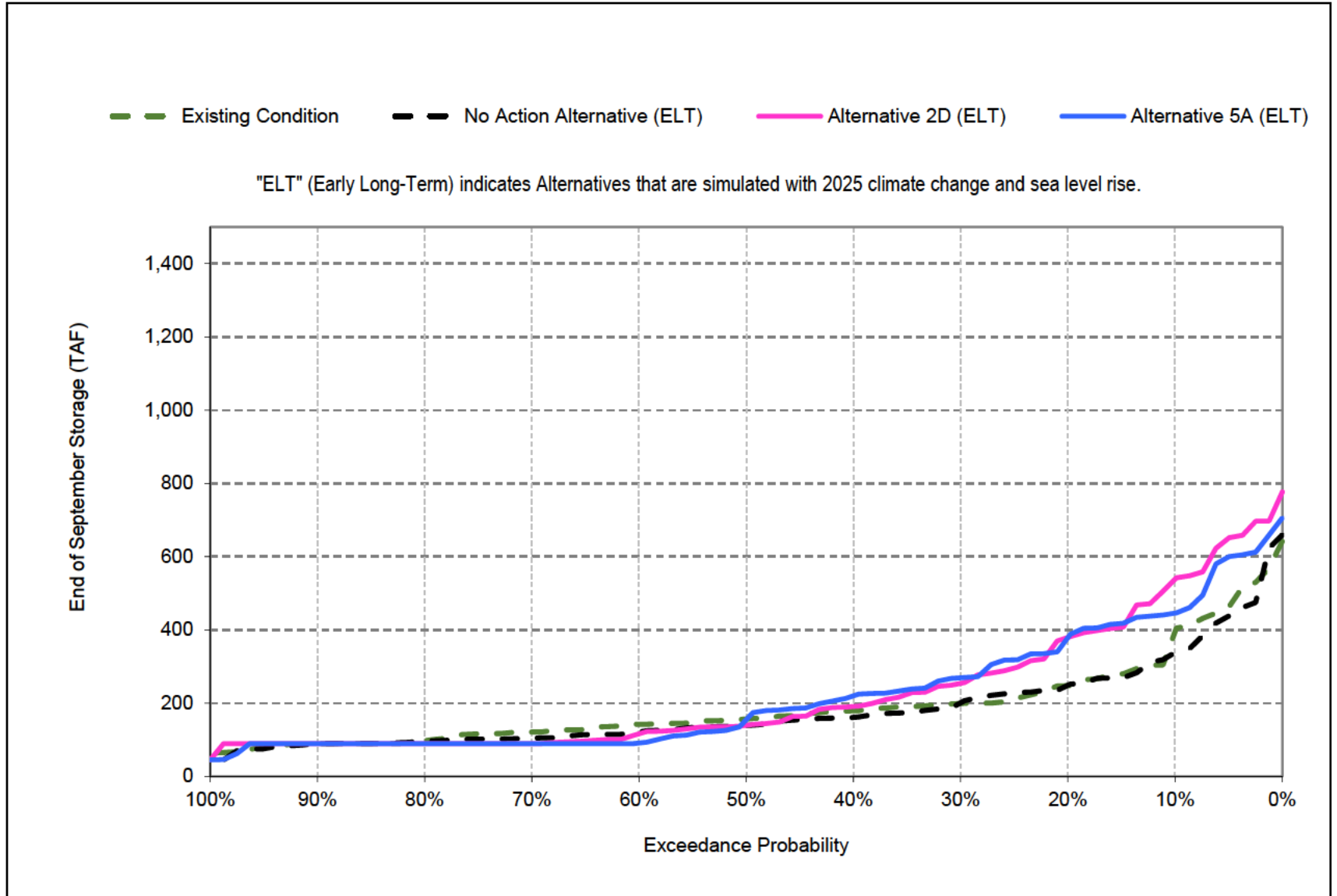
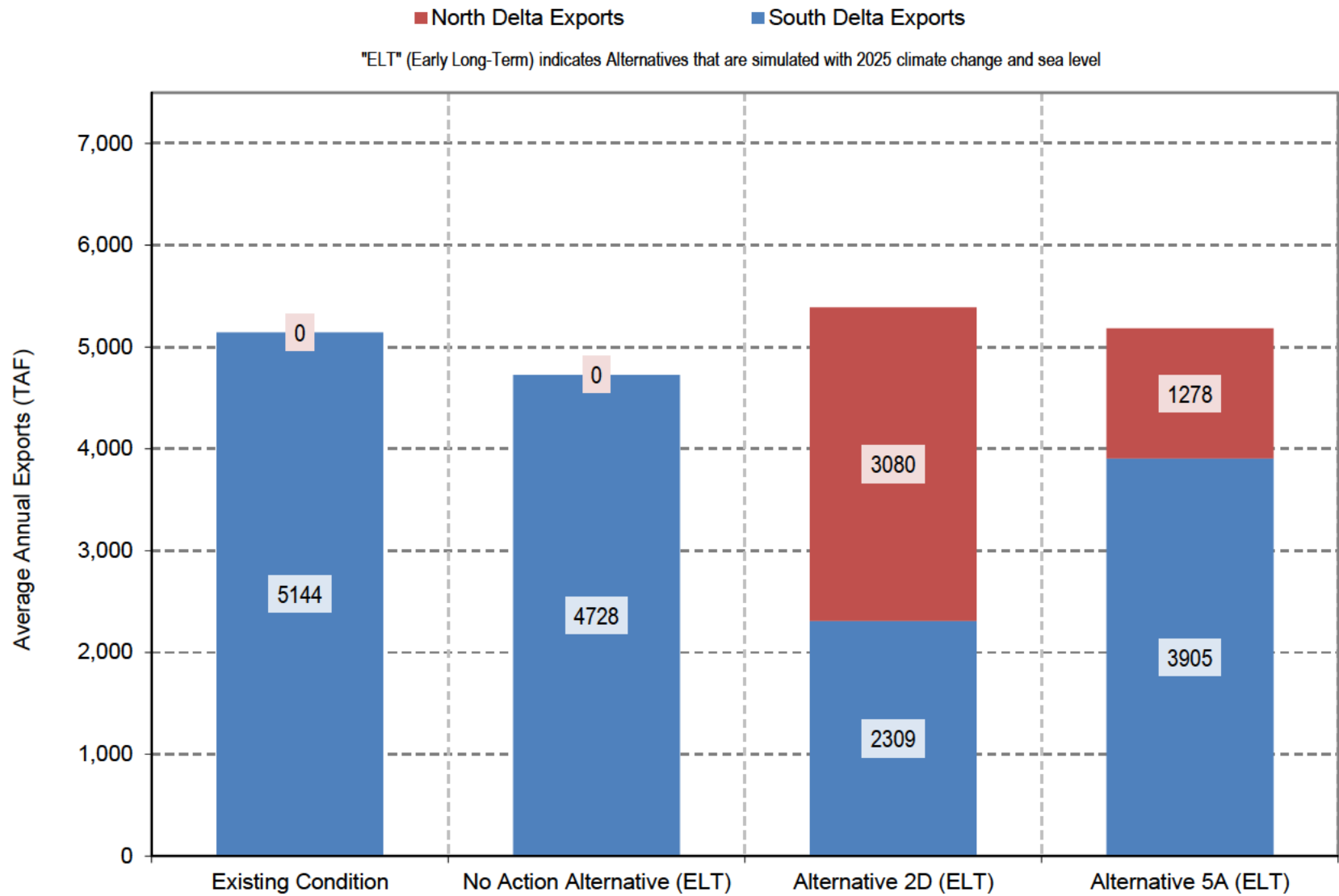
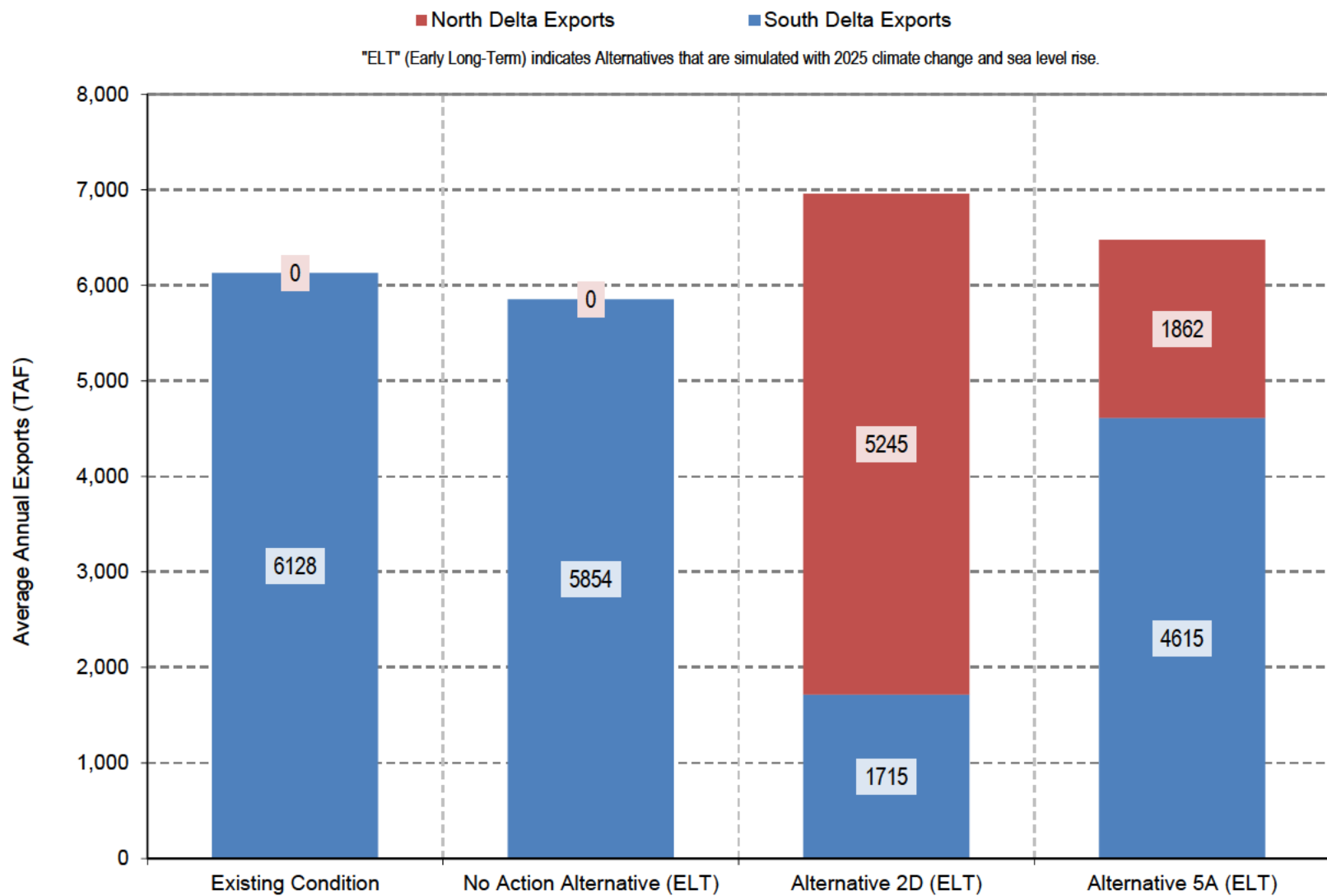


Figure 4.4.1-14

CVP San Luis Reservoir End of September Storage for Alternative 2D and Alternative 5A

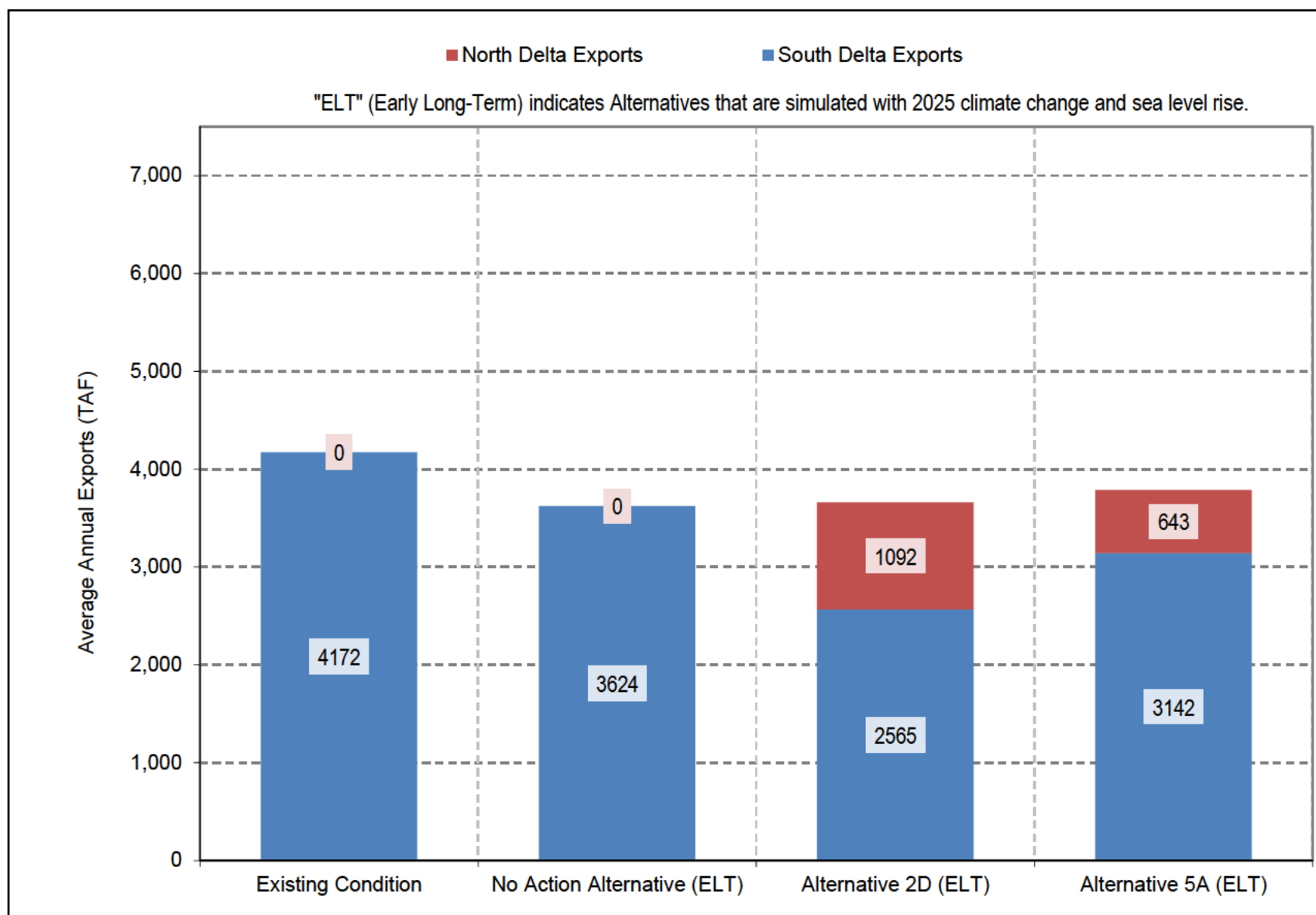


**Figure 4.4.1-15**  
**North and South Delta Exports for Alternative 2D and Alternative 5A Long-Term Average**



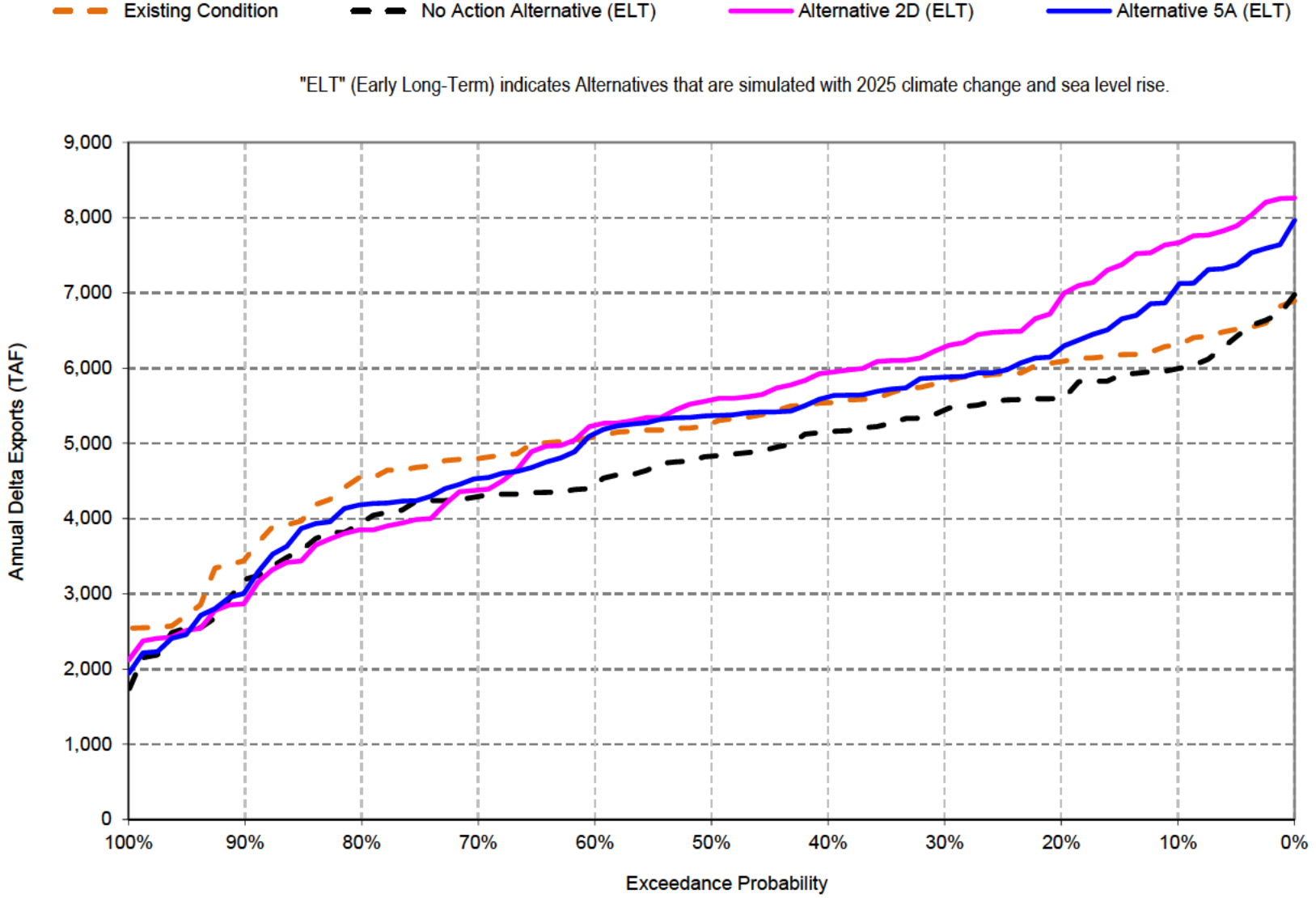
**Figure 4.4.1-16**

**North and South Delta Exports for Alternative 2D and Alternative 5A -Wet Year Average**

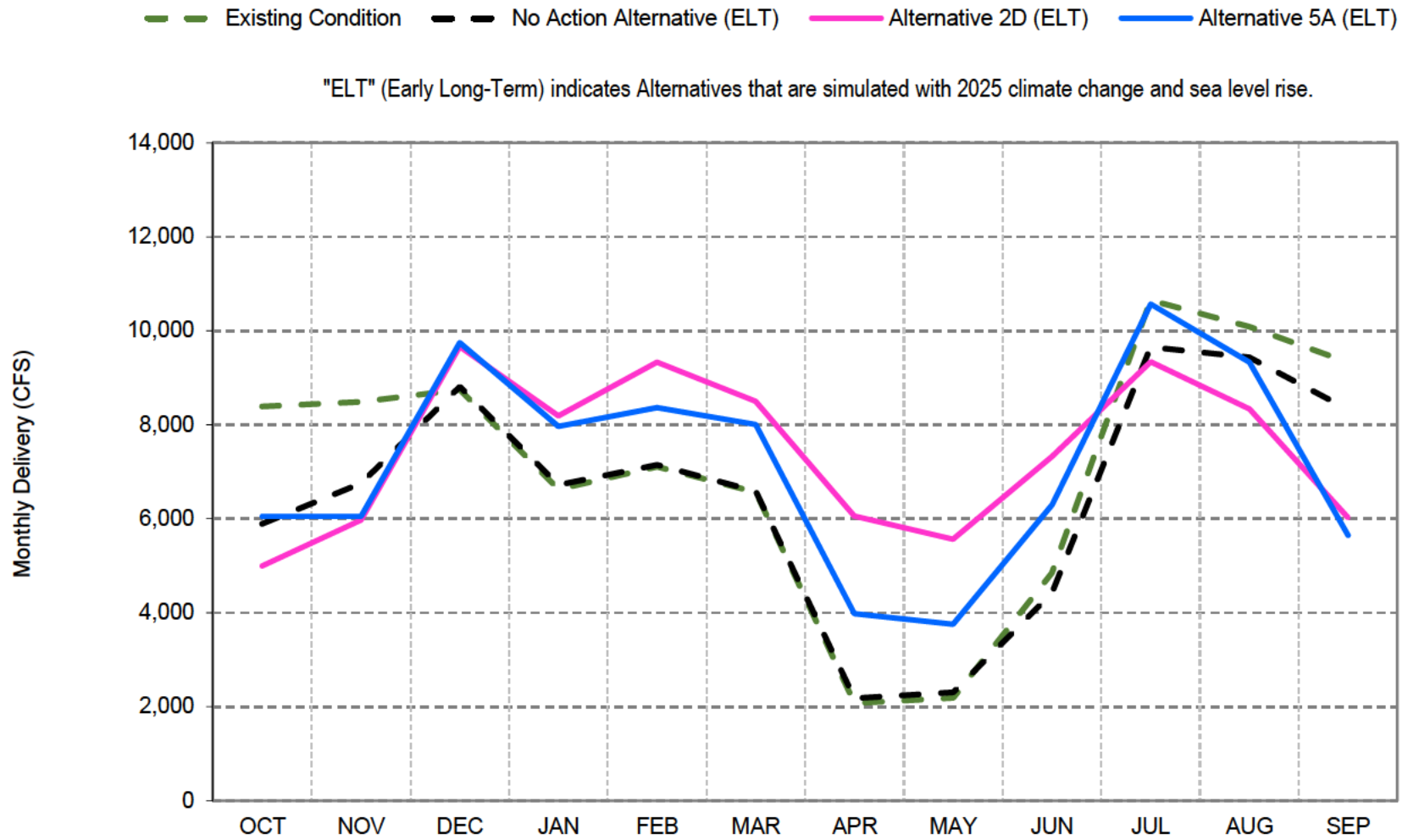


**Figure 4.4.1-17**

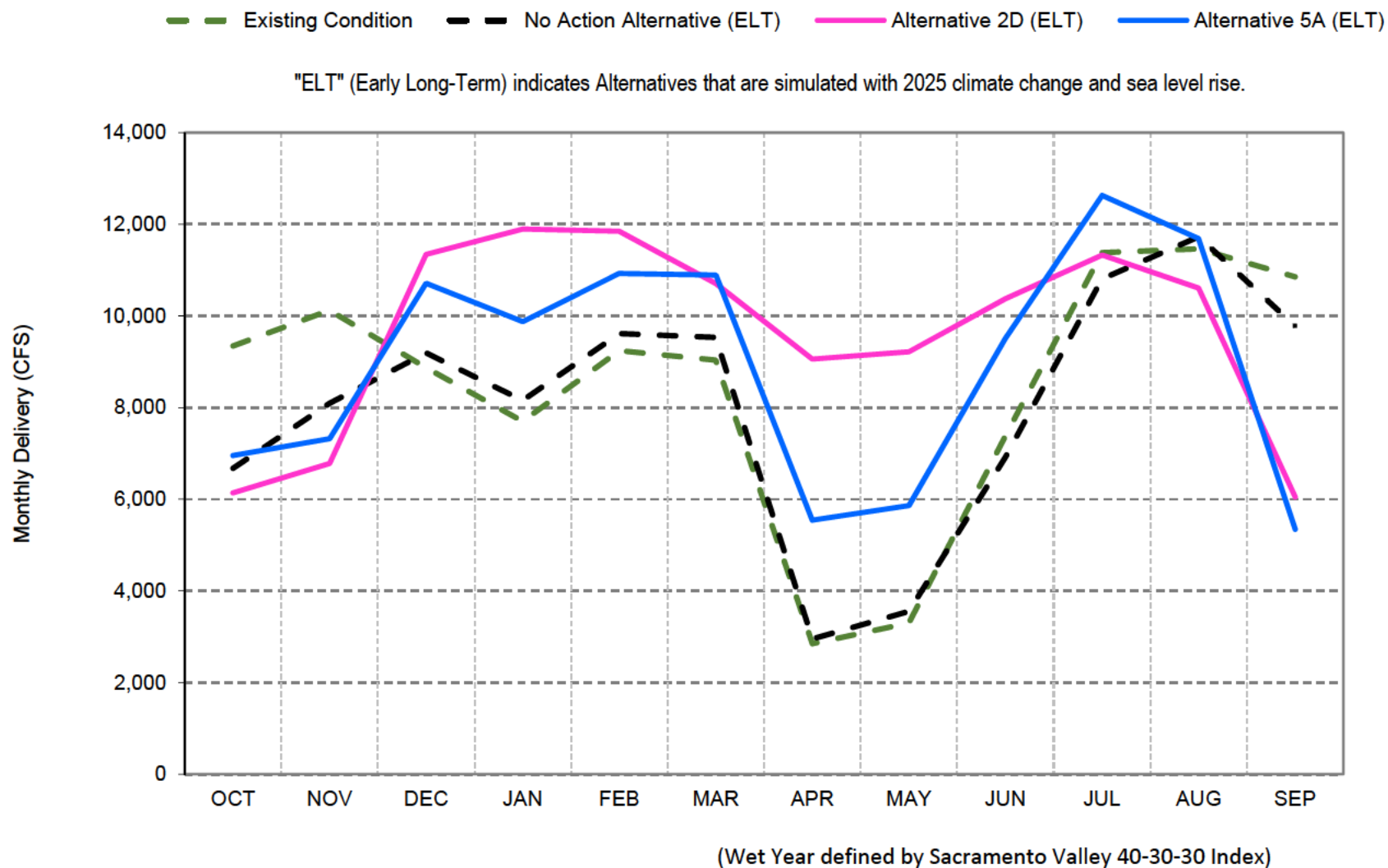
**North and South Delta Exports for Alternative 2D and Alternative 5A –Dry and Critical Year Average**



**Figure 4.4.1-18**  
**Total Delta Exports for Alternative 2D and Alternative 5A**

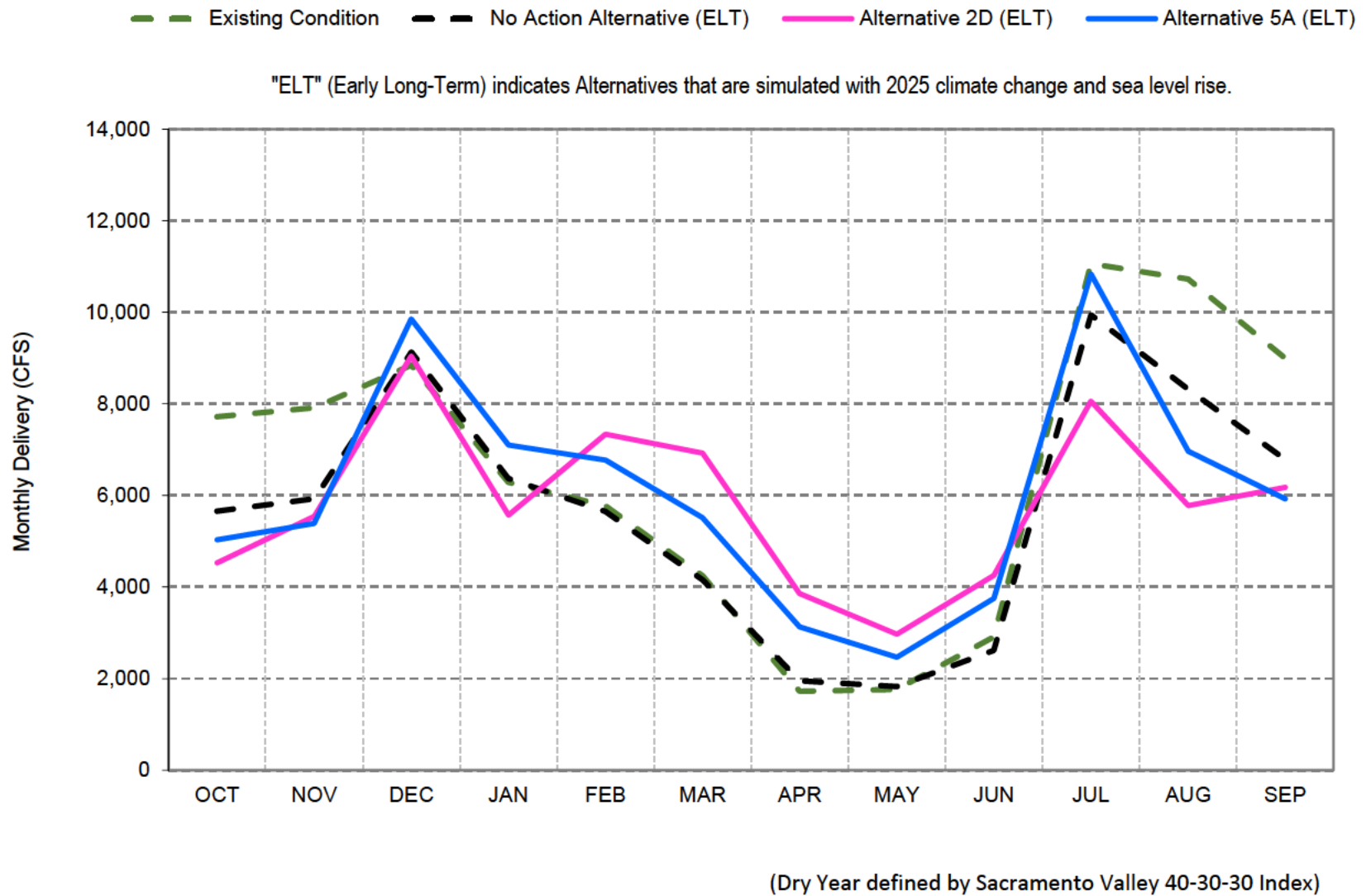


**Figure 4.4.1-19**  
**Total Delta Exports for Alternative 2D and Alternative 5A Long-Term Average Monthly**

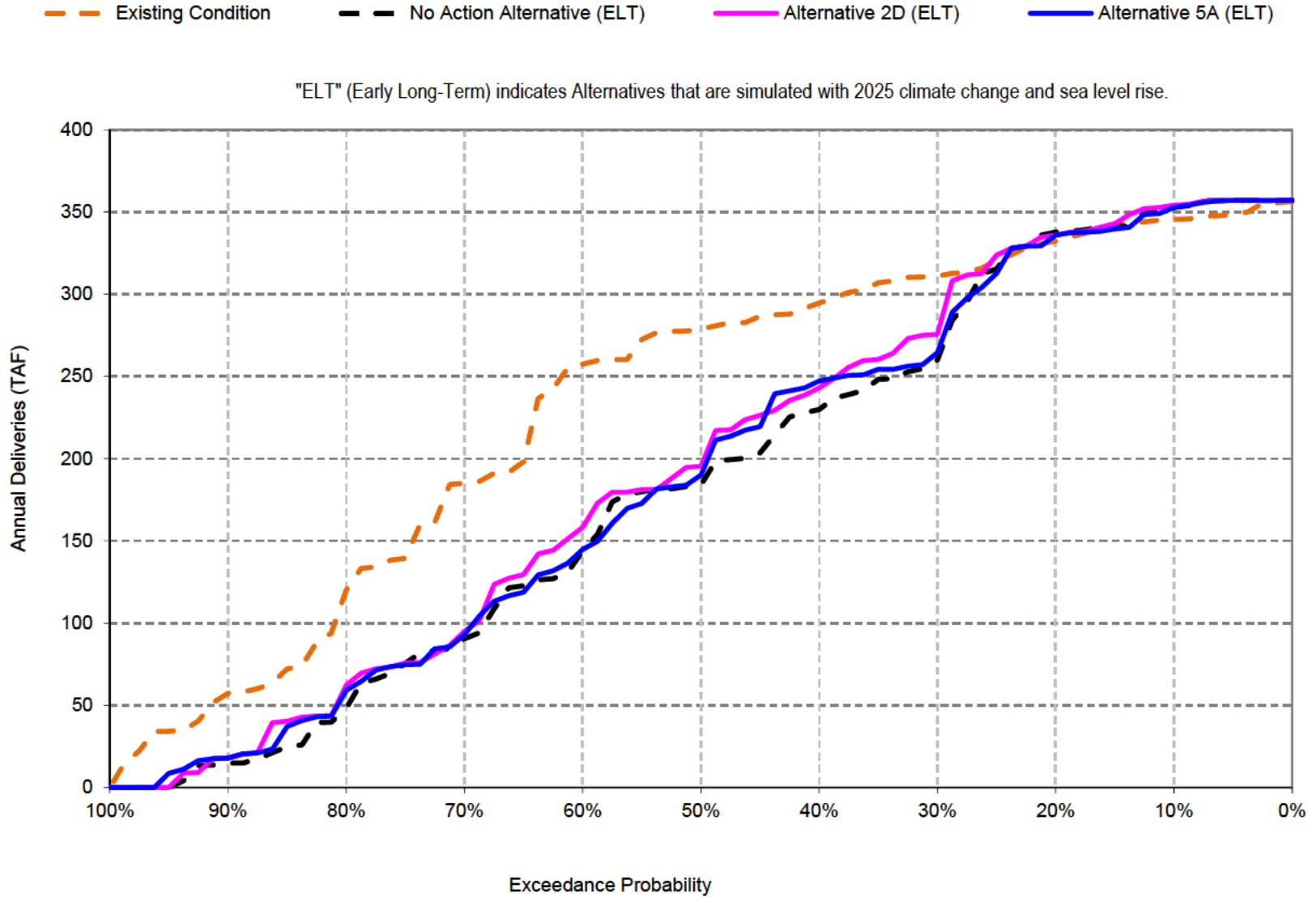


**Figure 4.4.1-20**  
**Total Delta Exports for Alternative 2D and Alternative 5A Wet Year Average Monthly**

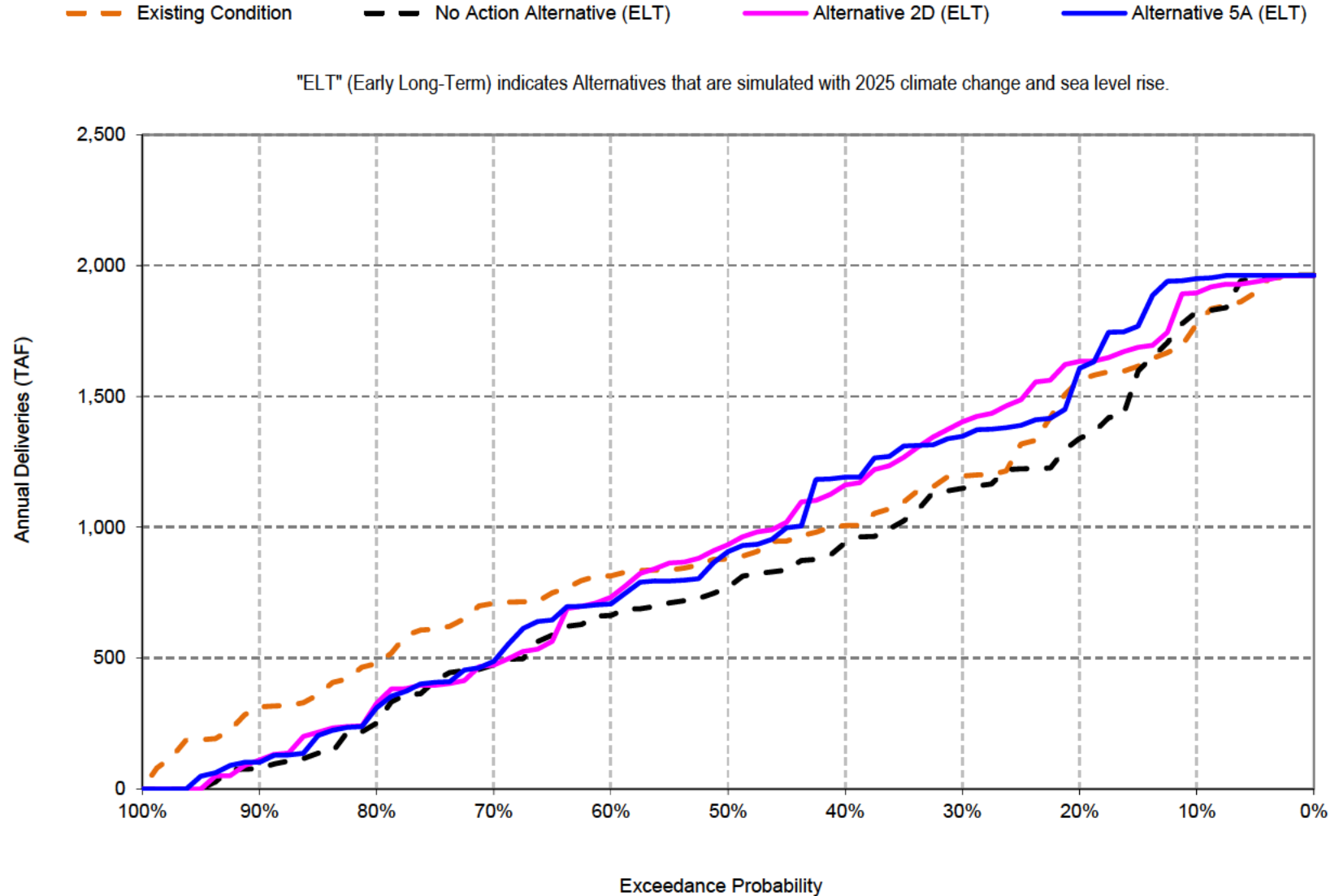




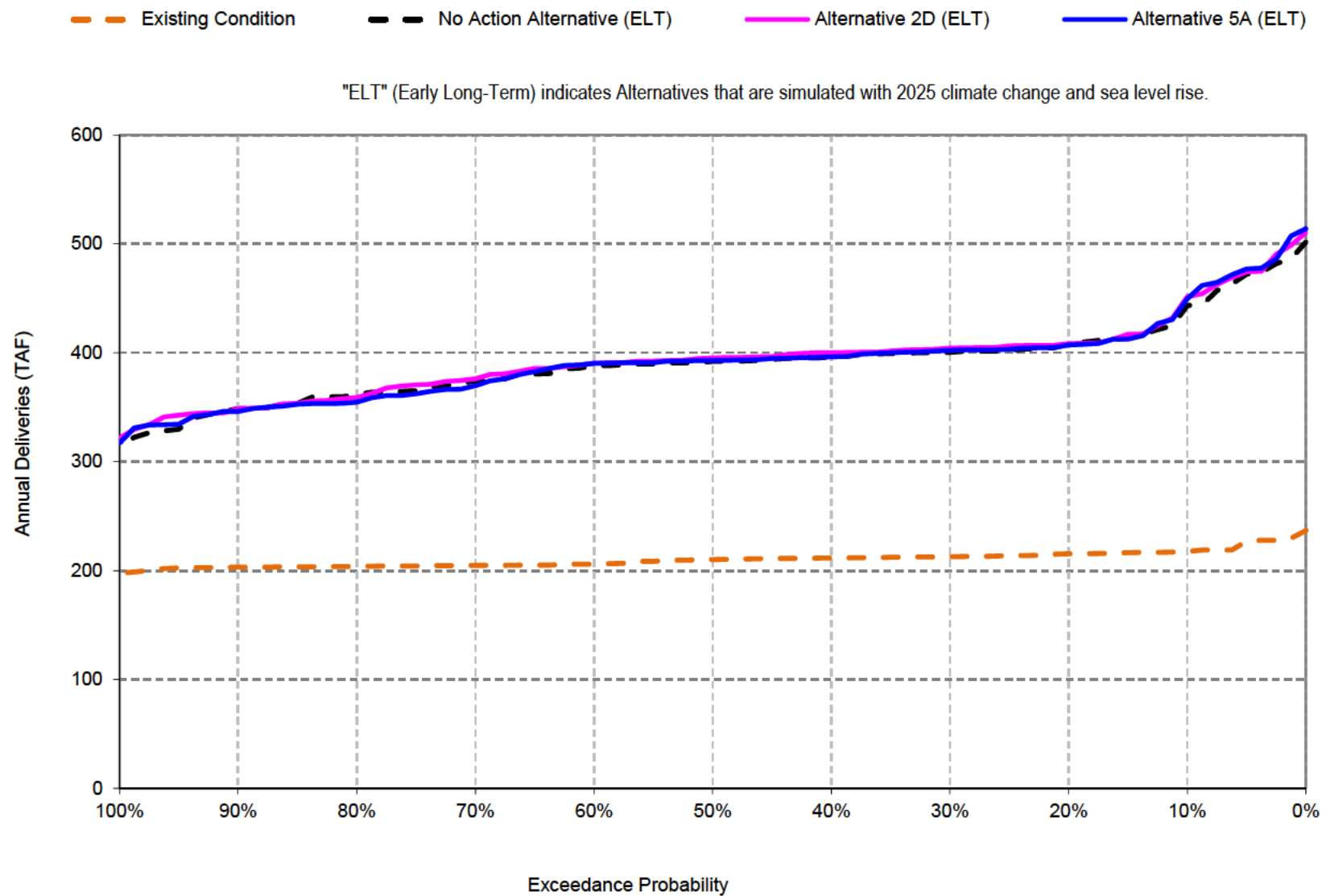
**Figure 4.4.1-21**  
**Total Delta Exports for Alternative 2D and Alternative 5A Dry Year Average Monthly**



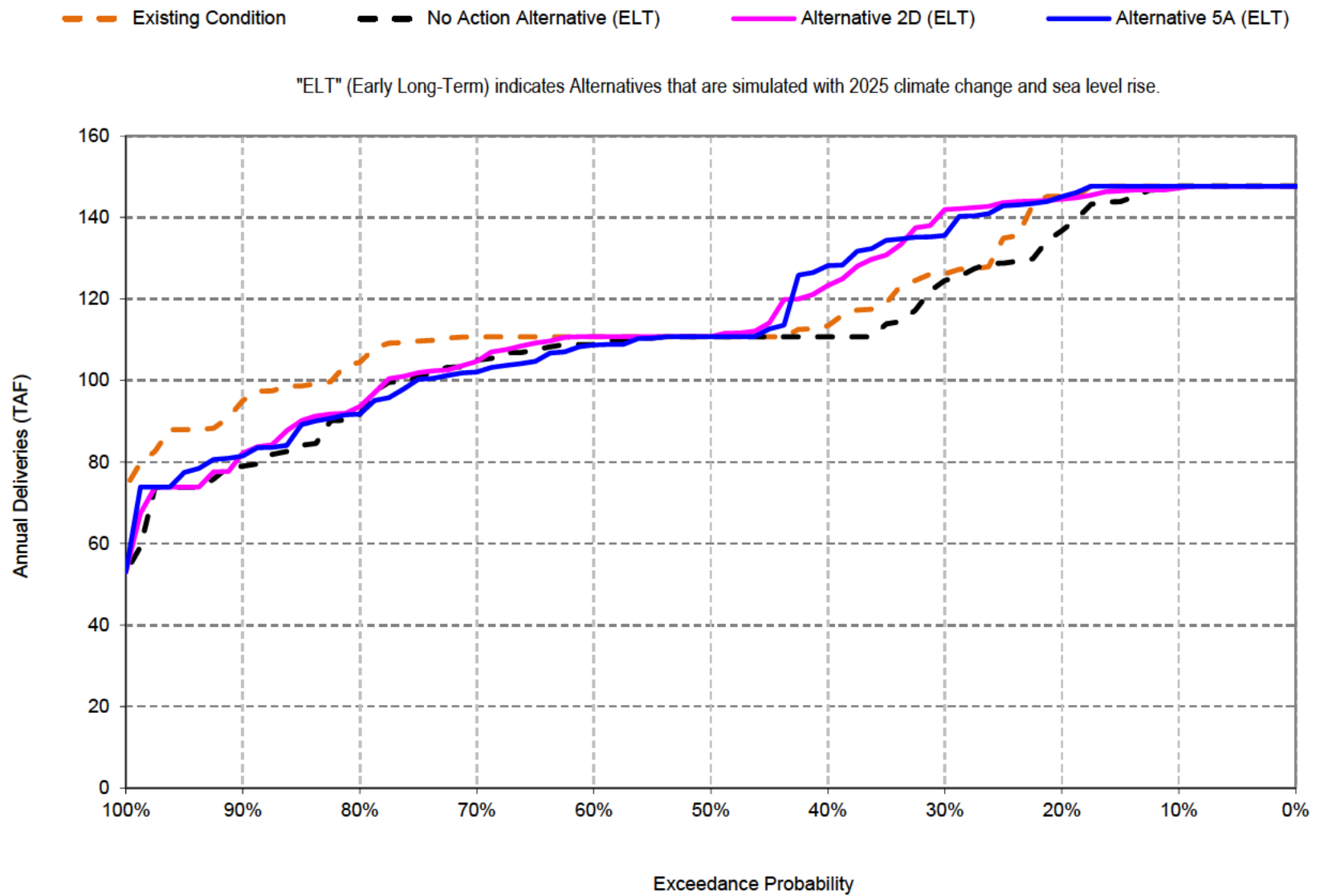
**Figure 4.4.1-22**  
**Annual CVP North of Delta Agricultural Water Service Contract Deliveries for Alternative 2D and Alternative 5A**



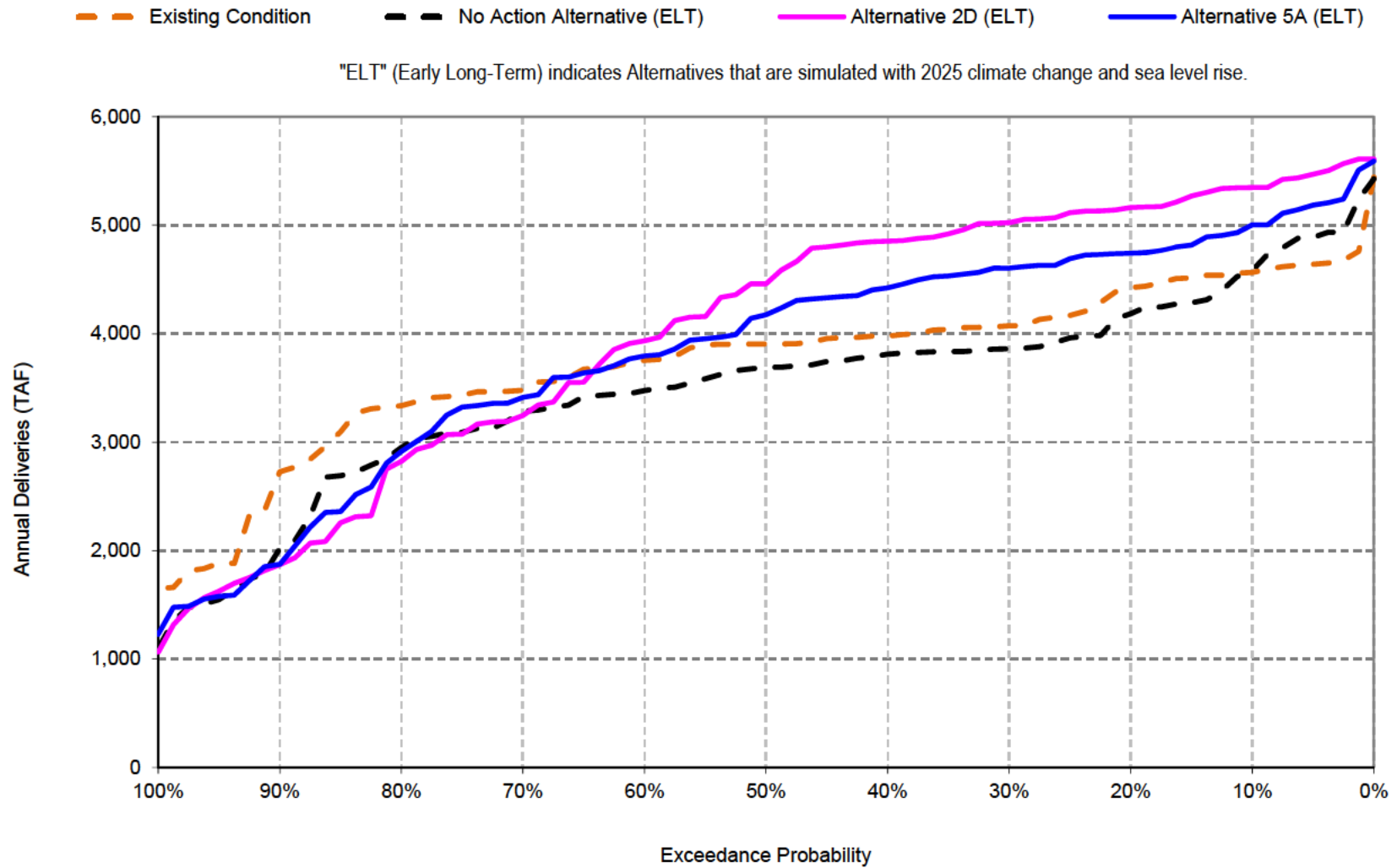
**Figure 4.4.1-23**  
**Annual CVP South of Delta Agricultural Water Service Contract Deliveries for Alternative 2D and Alternative 5A**



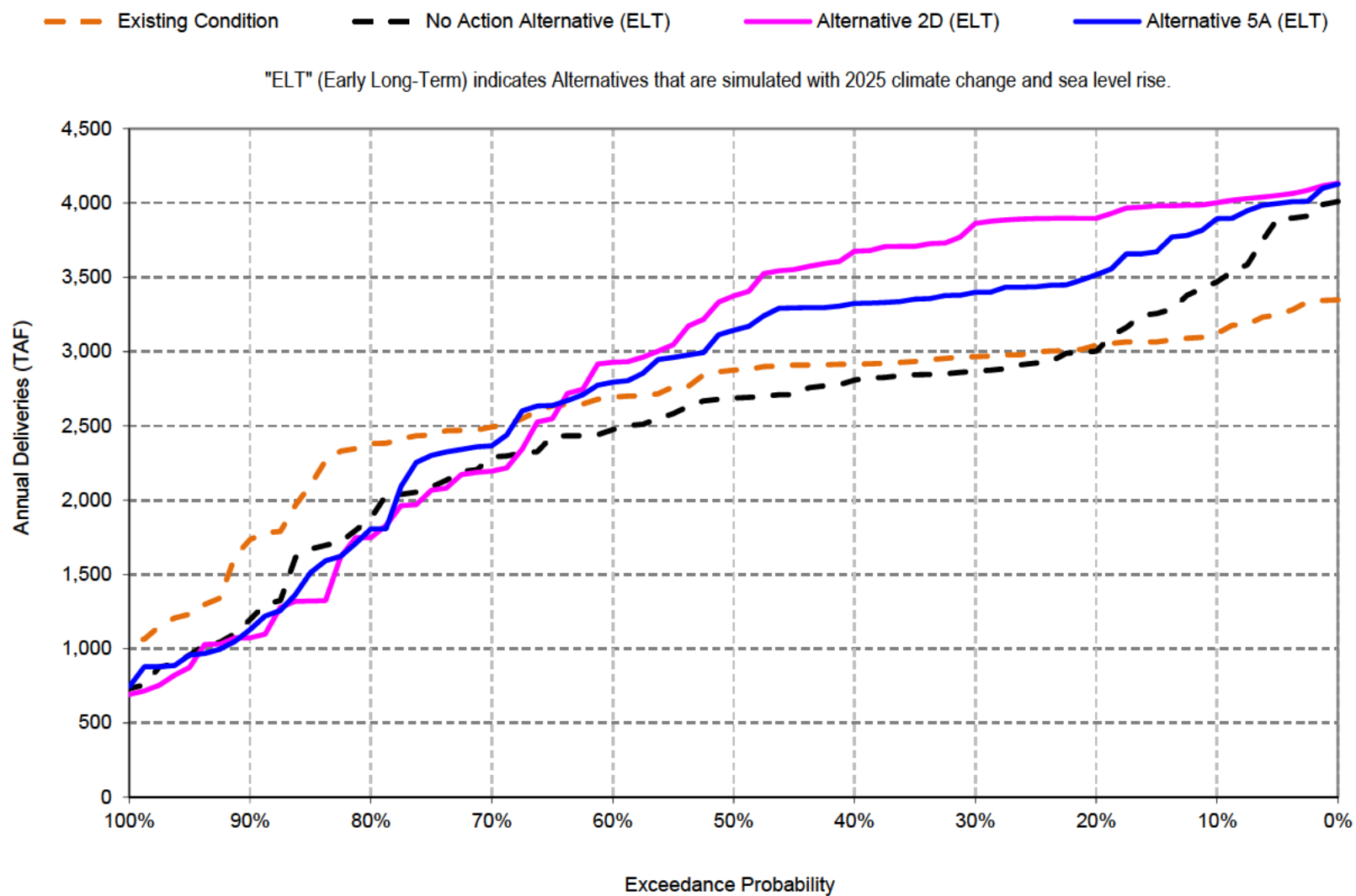
**Figure 4.4.1-24**  
**Annual CVP North of Delta Municipal and Industrial Water Service Contract Deliveries for Alternative 2D and Alternative 5A**



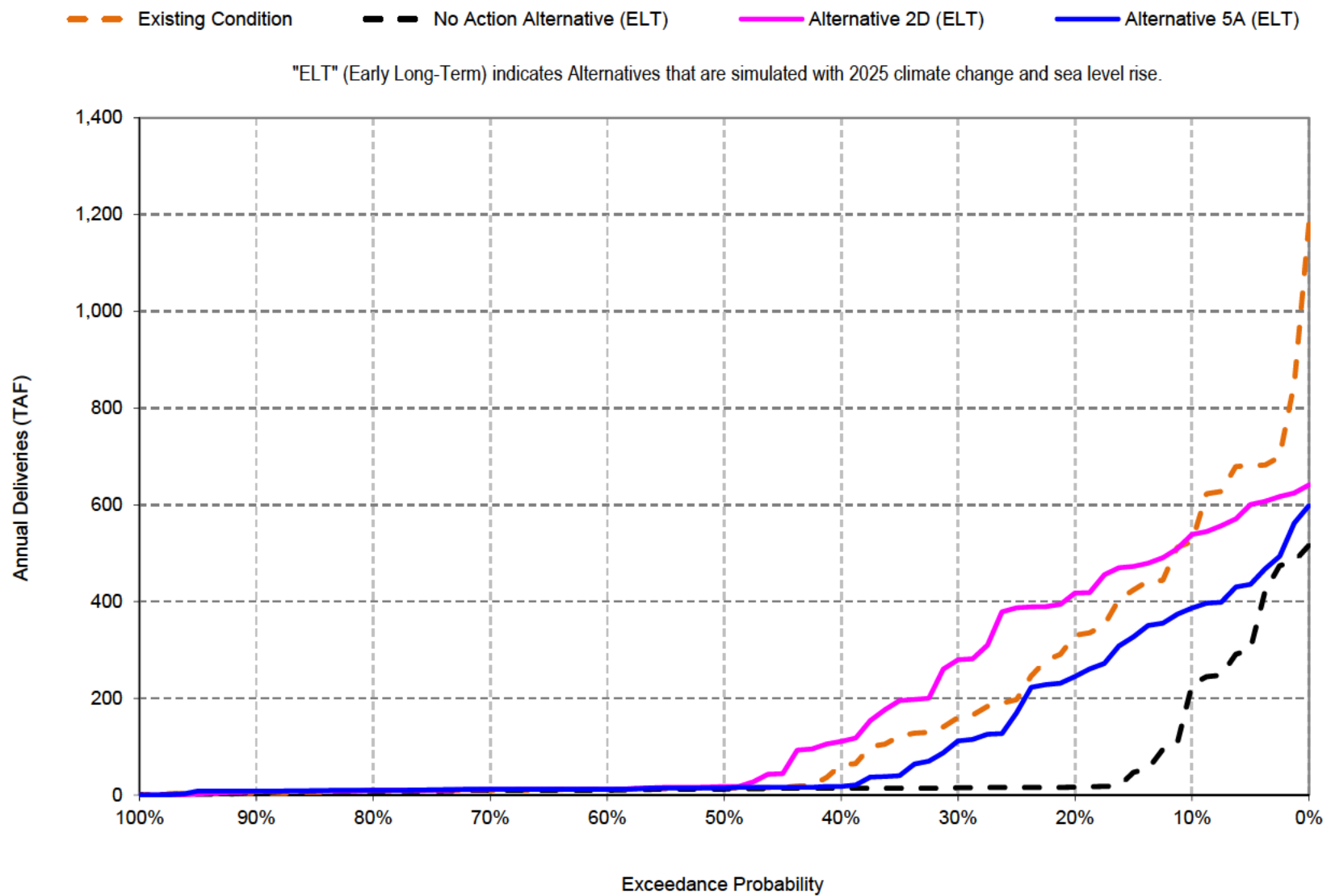
**Figure 4.4.1-25**  
**Annual CVP South of Delta Municipal and Industrial Water Service Contract Deliveries for Alternative 2D and Alternative 5A**



**Figure 4.4.1-26**  
**Total Annual SWP South of Delta Deliveries Including Table A and Articles 21 and 56 Waters for Alternative 2D and Alternative 5A**

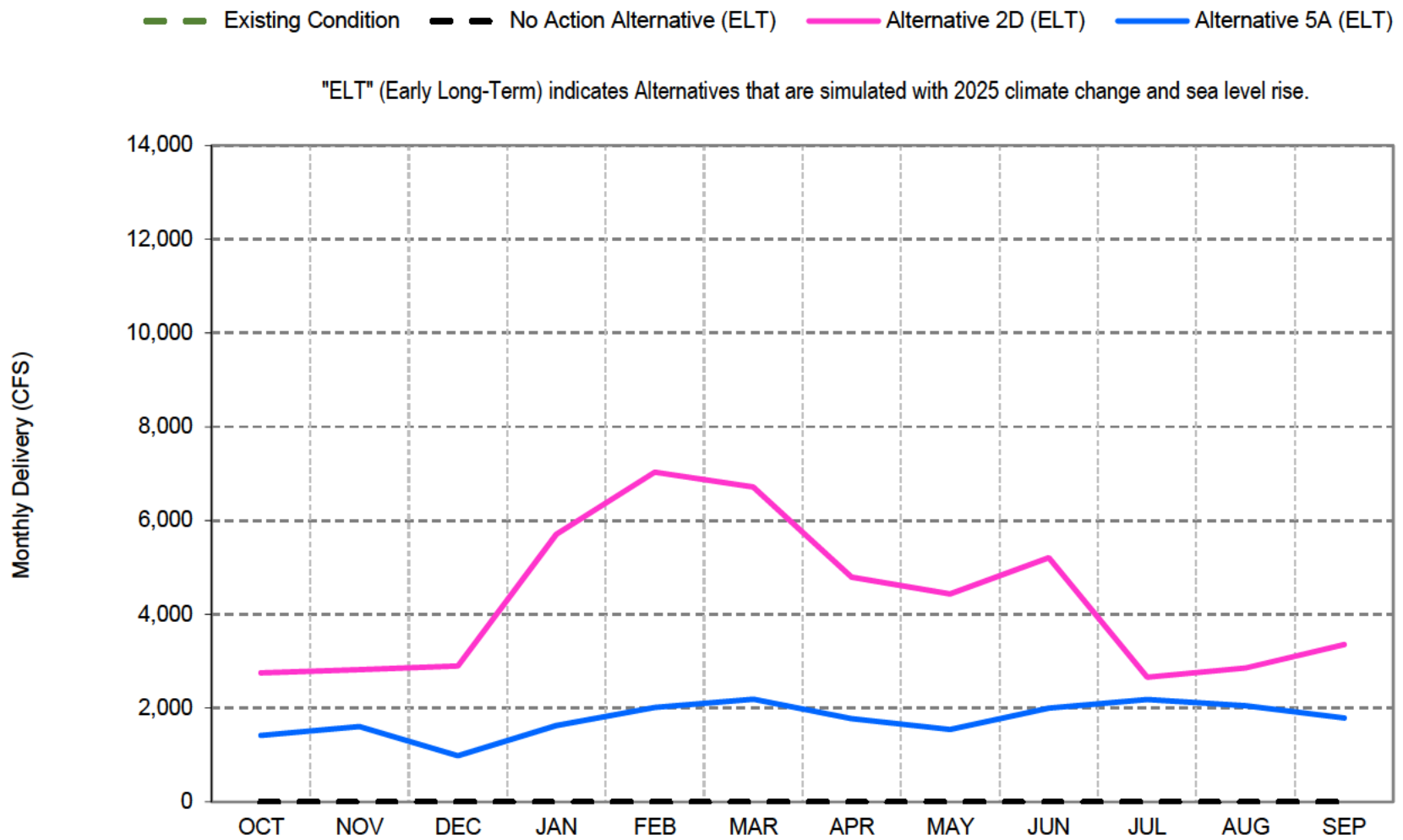


**Figure 4.4.1-27**  
**Annual SWP Table A Deliveries with Article 56 Waters for Alternative 2D and Alternative 5A**

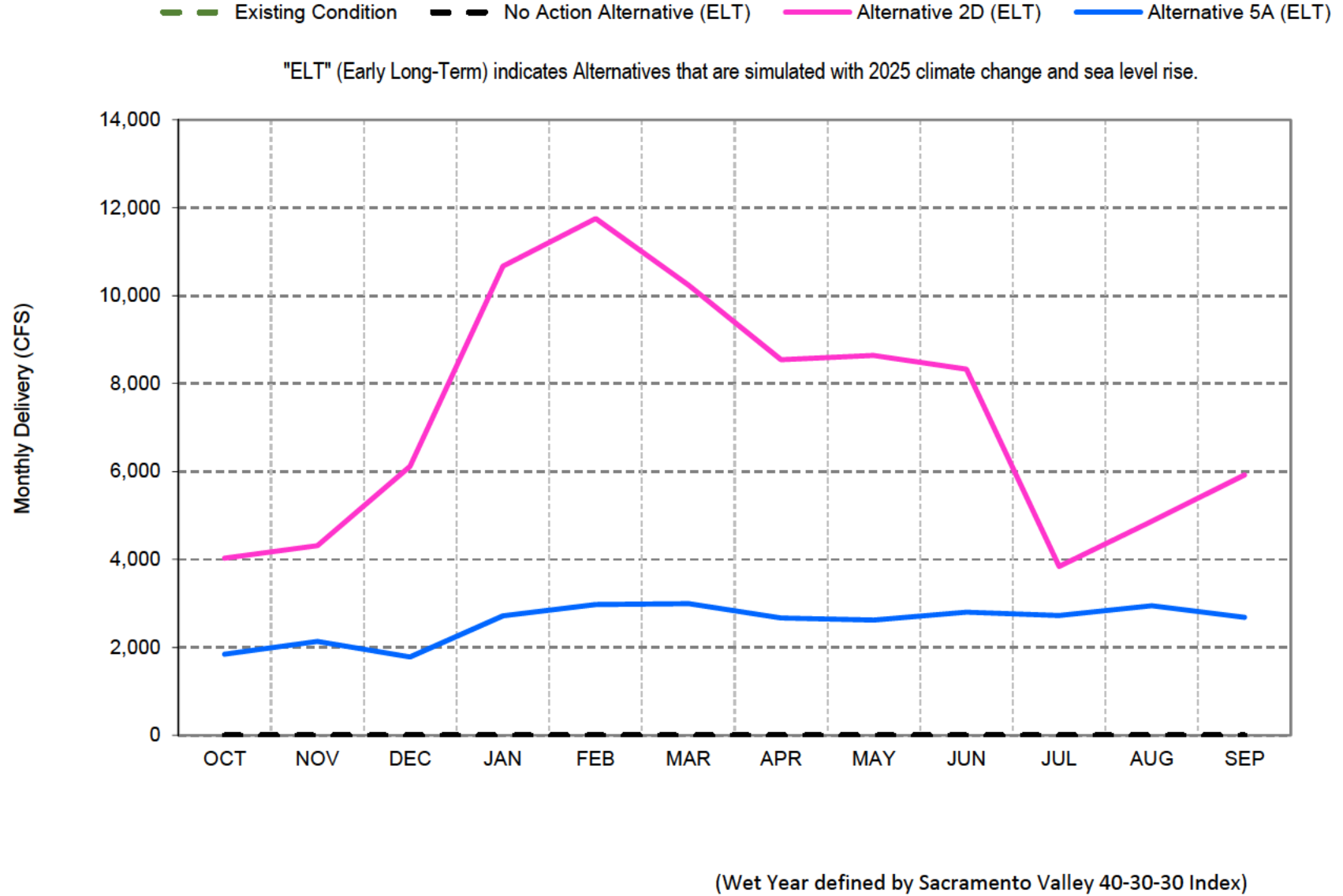


**Figure 4.4.1-28**  
**Annual SWP Article 21 Deliveries for Alternative 2D and Alternative 5A**

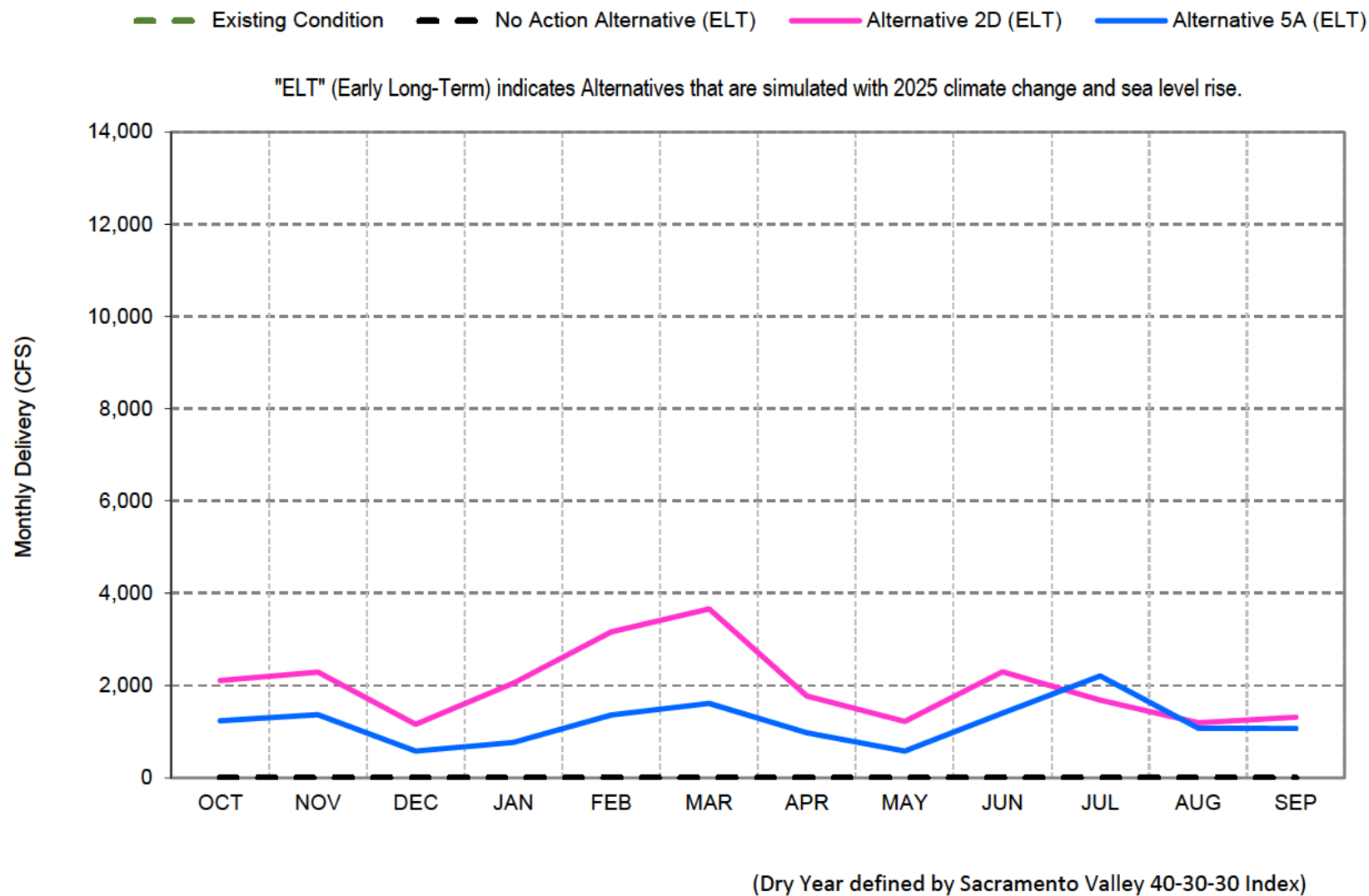




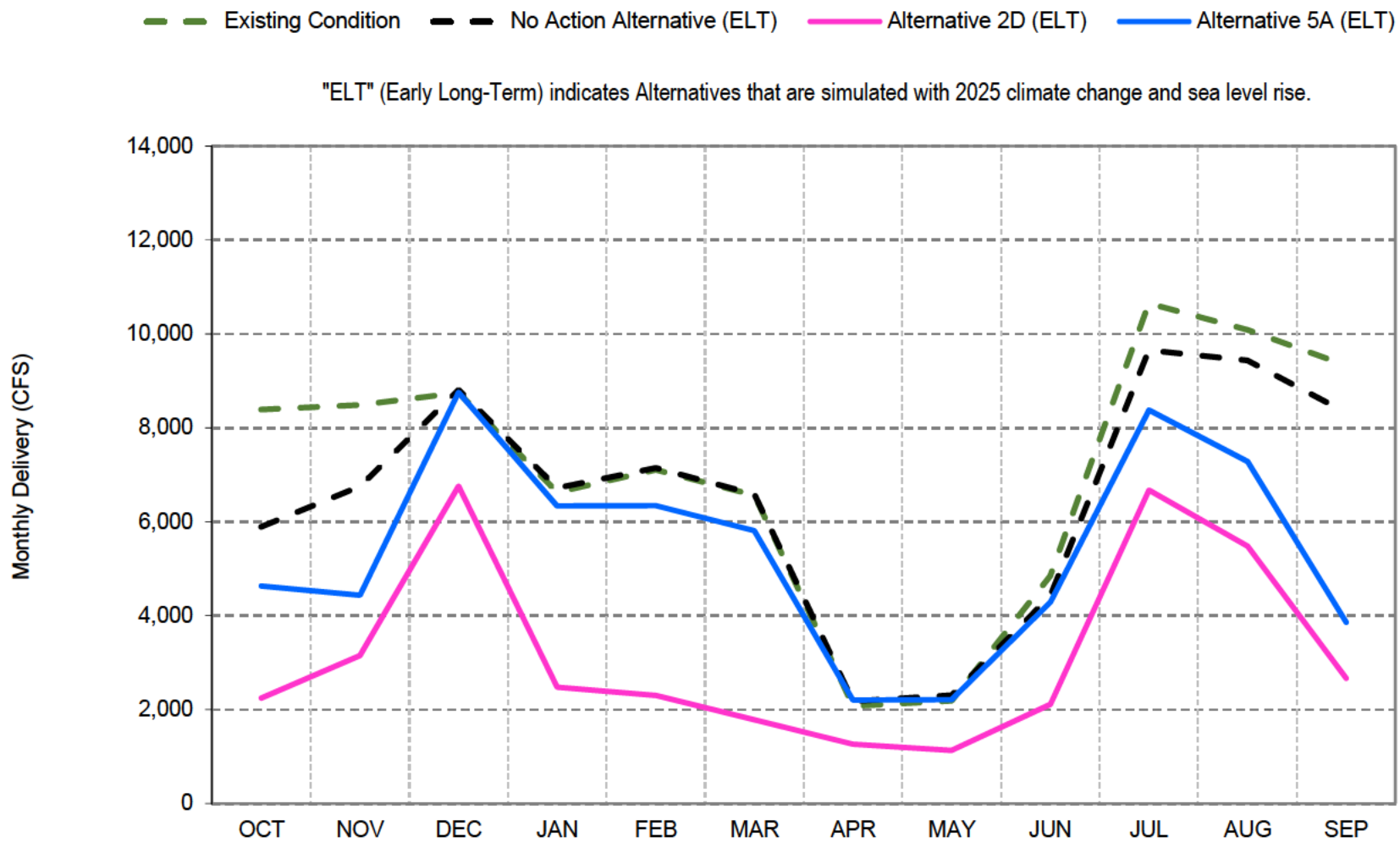
**Figure 4.4.1-29**  
**SWP and CVP North Delta Exports for Alternative 2D and Alternative 5A Average Monthly**



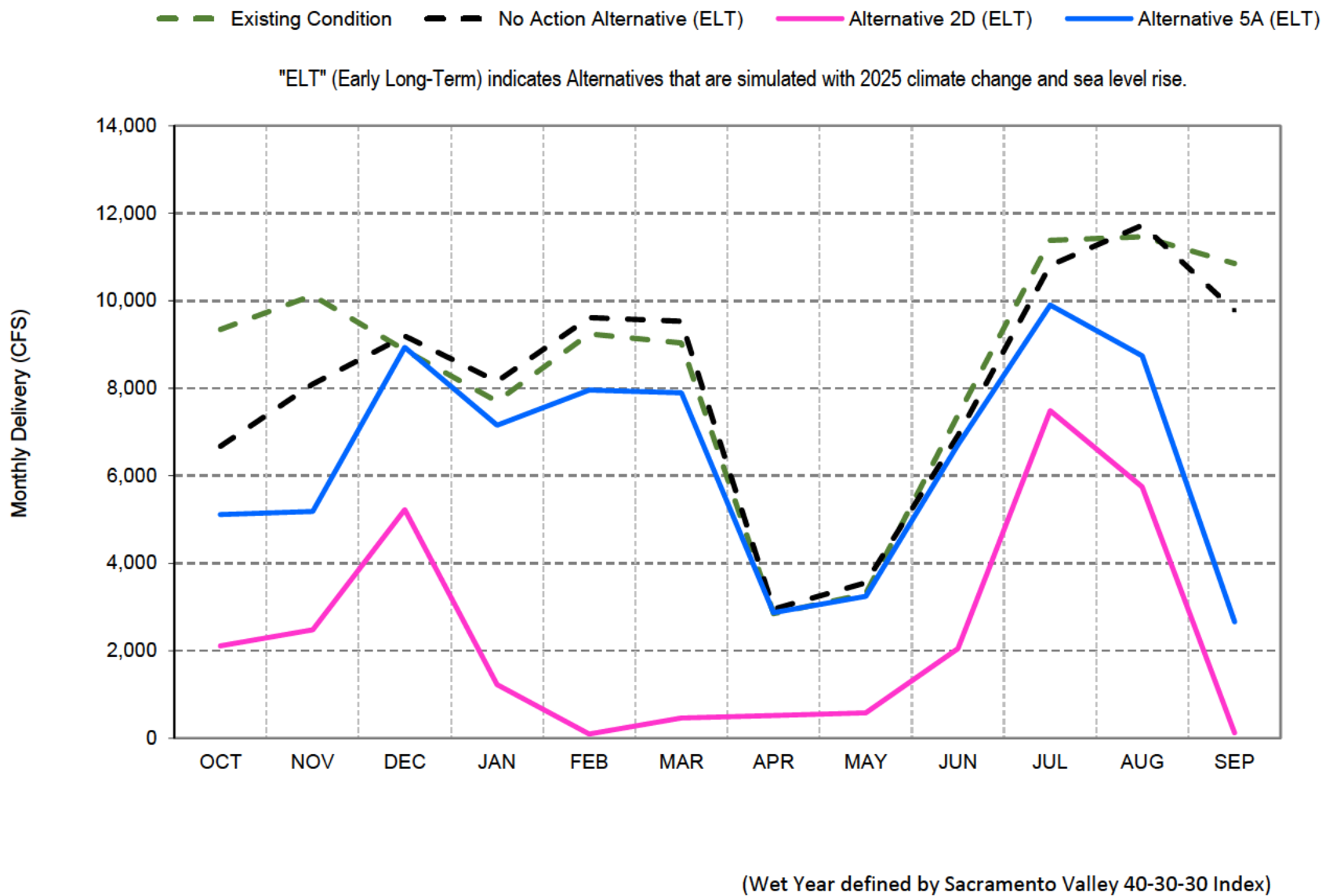
**Figure 4.4.1-30**  
**SWP and CVP North Delta Exports for Alternative 2D and Alternative 5A Wet Year Average Monthly**



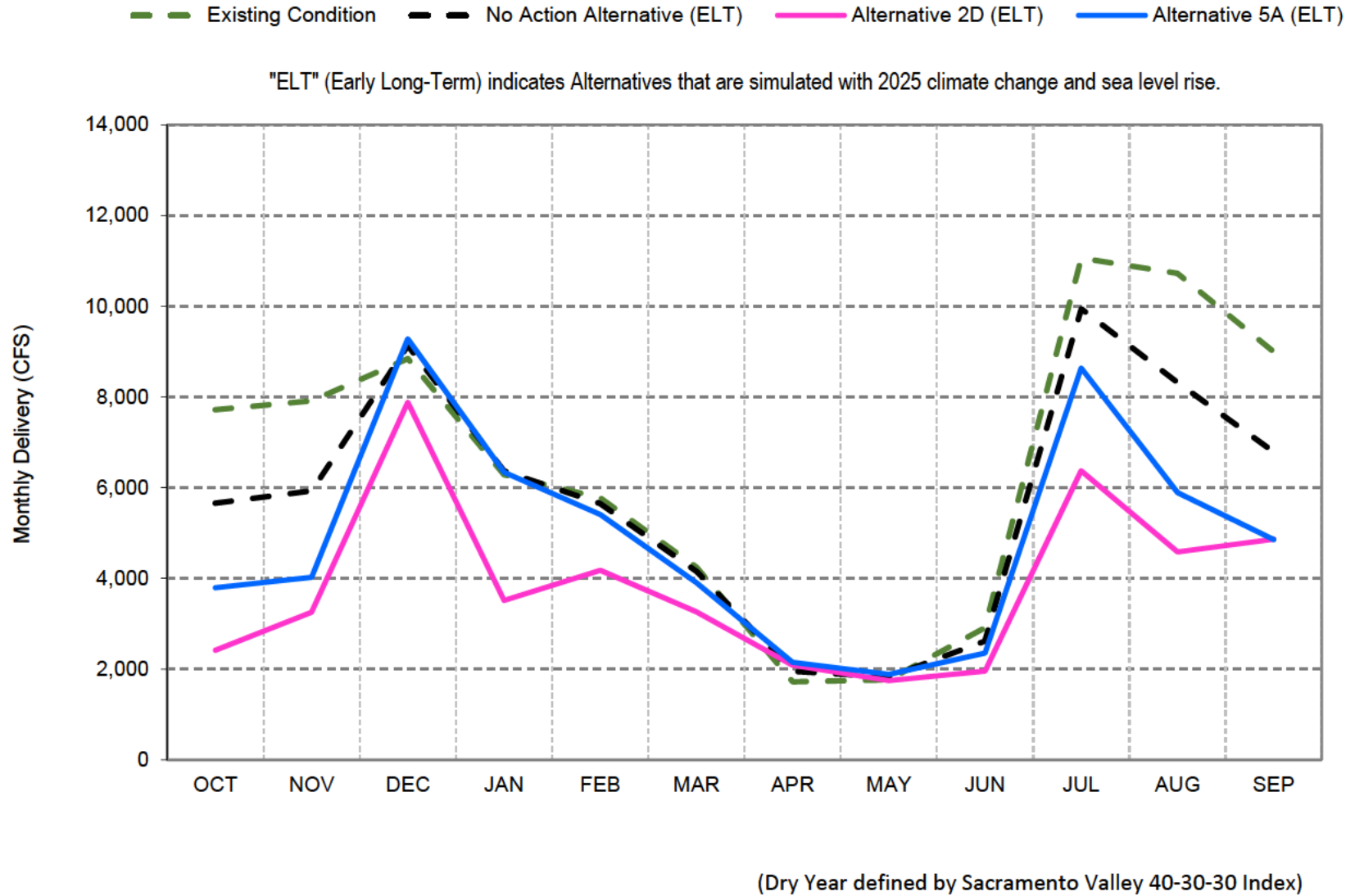
**Figure 4.4.1-31**  
**SWP and CVP North Delta Exports for Alternative 2D and Alternative 5A Dry Year Average Monthly**



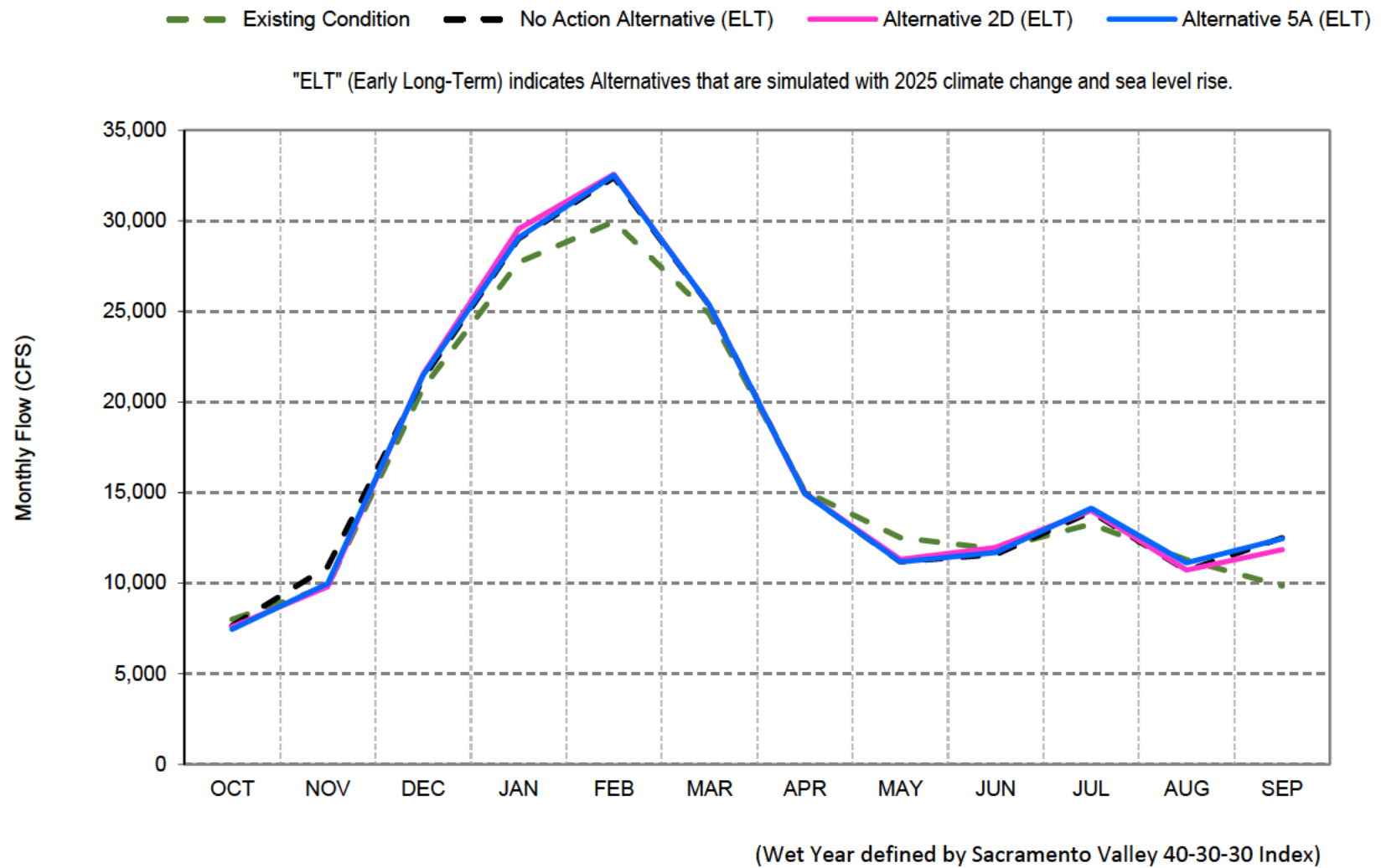
**Figure 4.4.1-32**  
**SWP and CVP South Delta Exports for Alternative 2D and Alternative 5A Average Monthly**



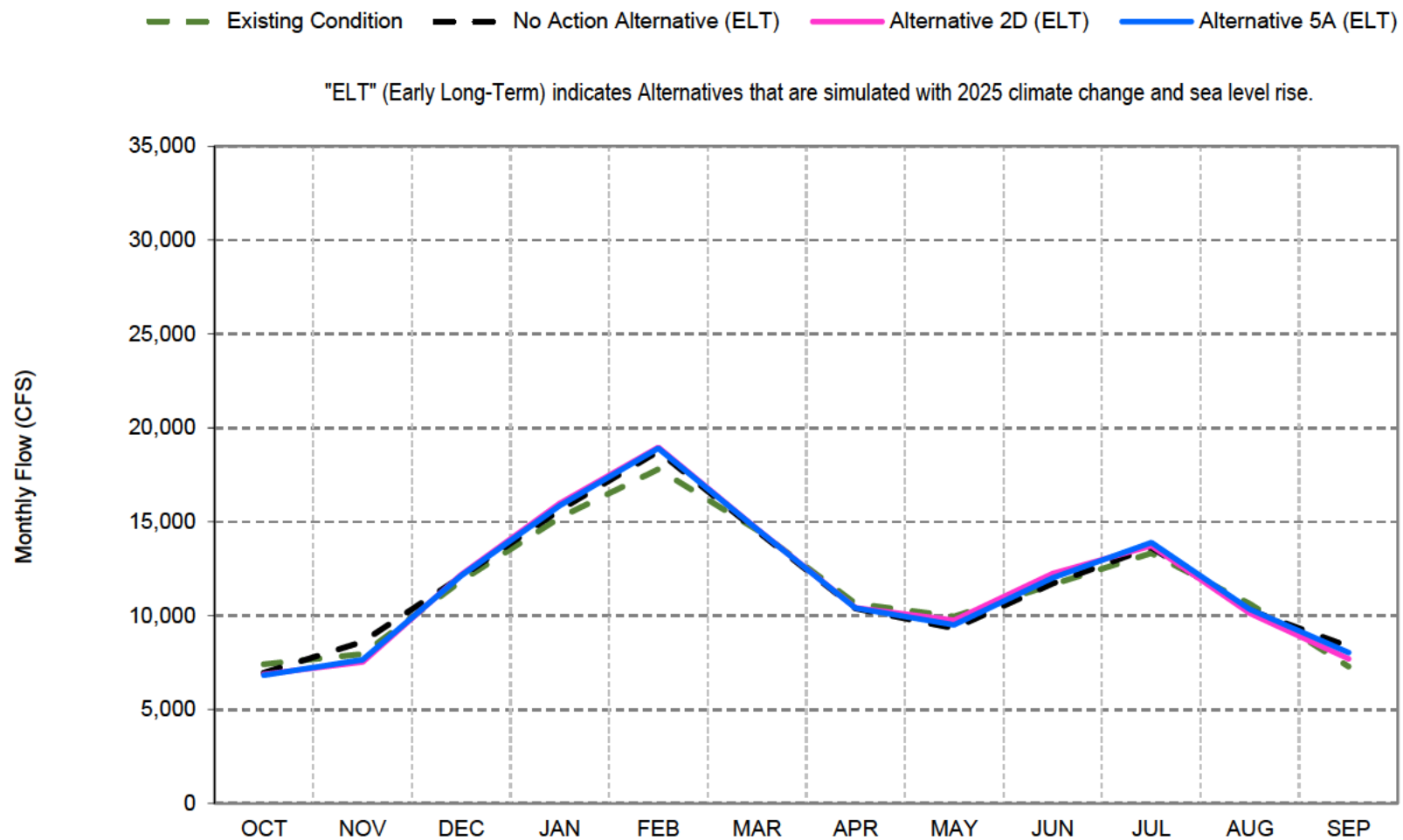
**Figure 4.4.1-33**  
**SWP and CVP South Delta Exports for Alternative 2D and Alternative 5A Wet Year Average Monthly**



**Figure 4.4.1-34**  
**SWP and CVP South Delta Exports for Alternative 2D and Alternative 5A Dry Year Average Monthly**



**Figure 4.4.2-1**  
**Sacramento River at Bend Bridge for Alternative 2D and Alternative 5A, Average Wet Years**

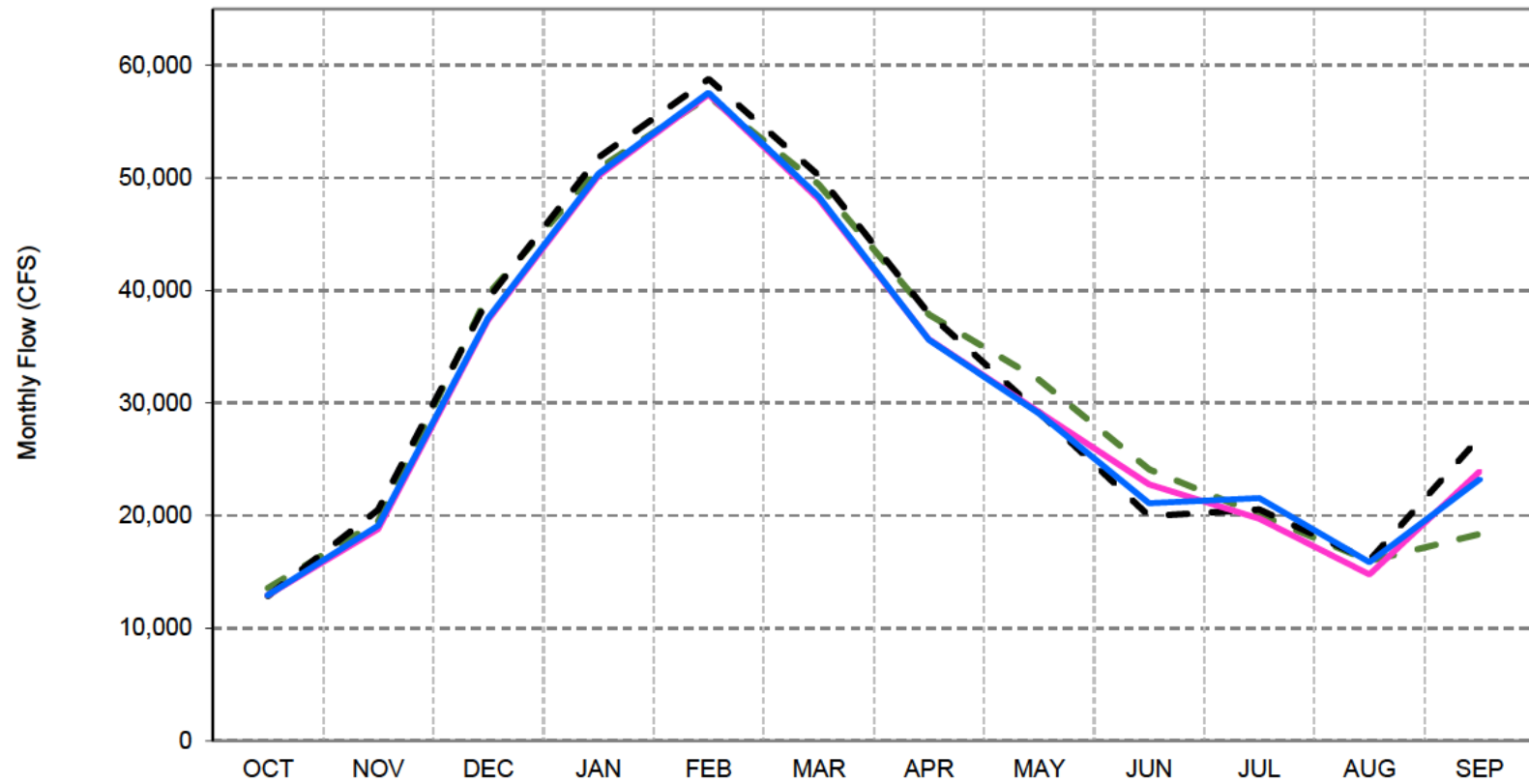


**Figure 4.4.2-2**  
**Sacramento River Flow at Bend Bridge for Alternative 2D and Alternative 5A, Long-Term Average**



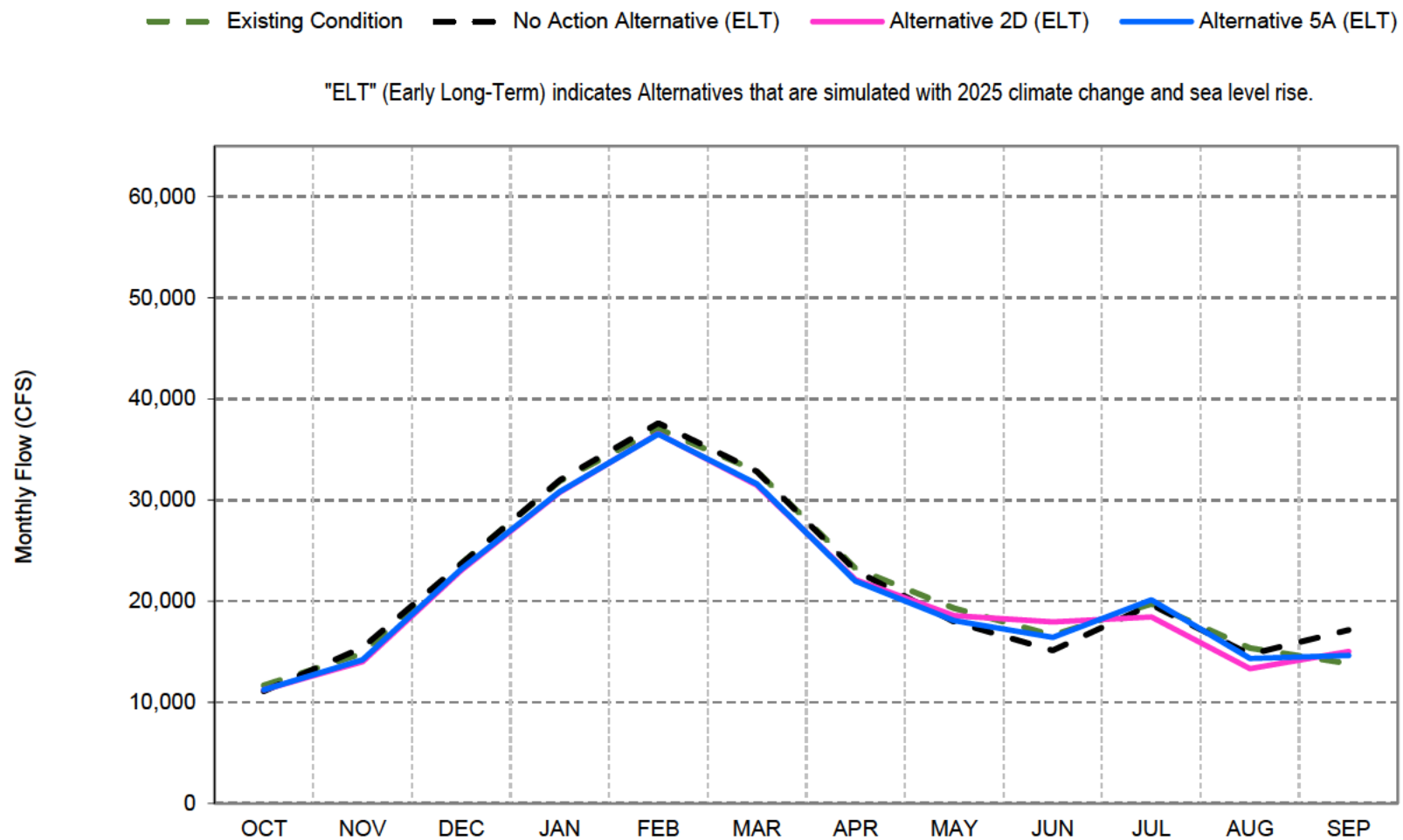
Existing Condition    No Action Alternative (ELT)    Alternative 2D (ELT)    Alternative 5A (ELT)

"ELT" (Early Long-Term) indicates Alternatives that are simulated with 2025 climate change and sea level rise.

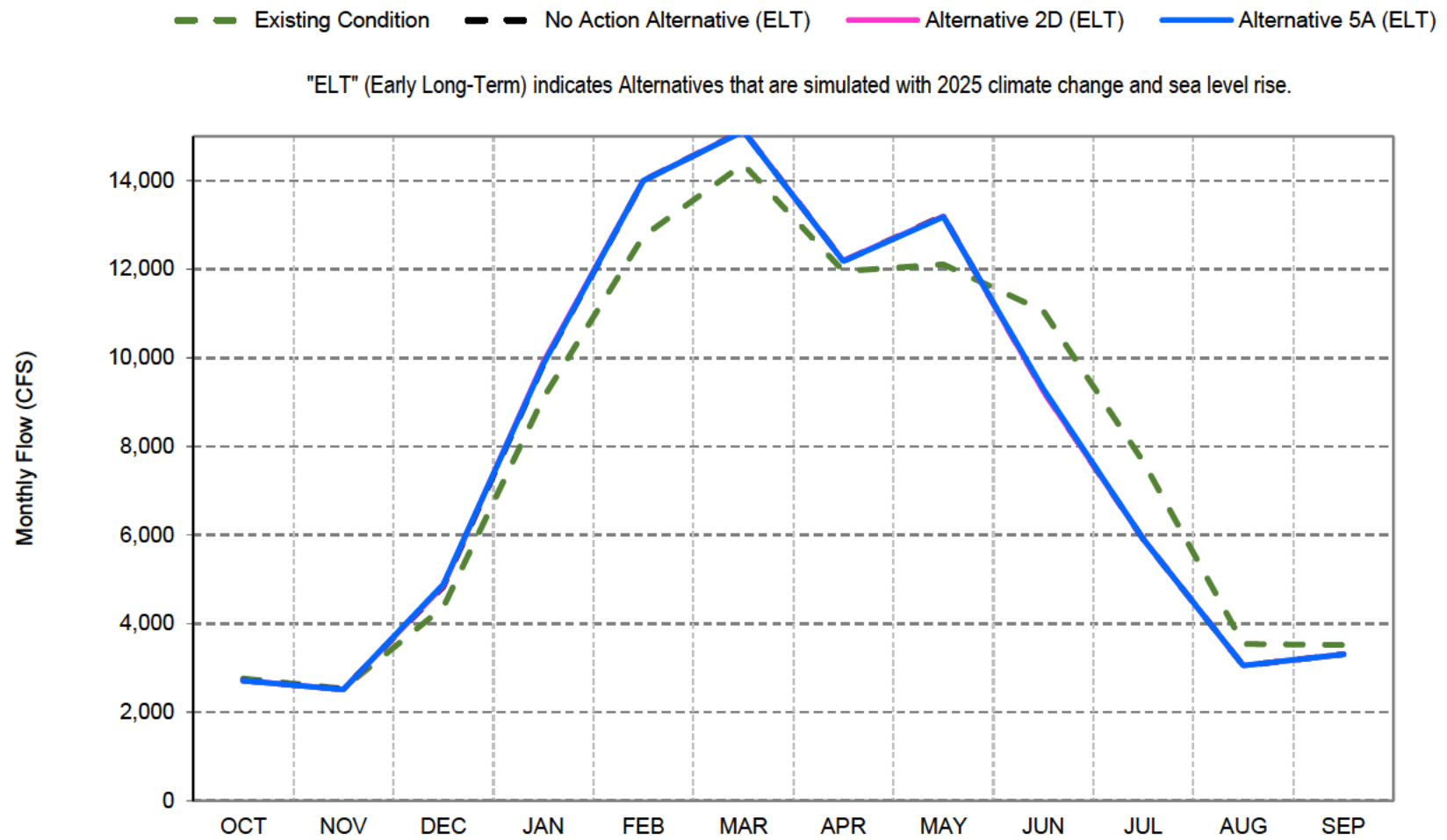


(Wet Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.4.2-3**  
**Sacramento River Flow at Freeport for Alternative 2D and Alternative 5A, Average Wet Years**

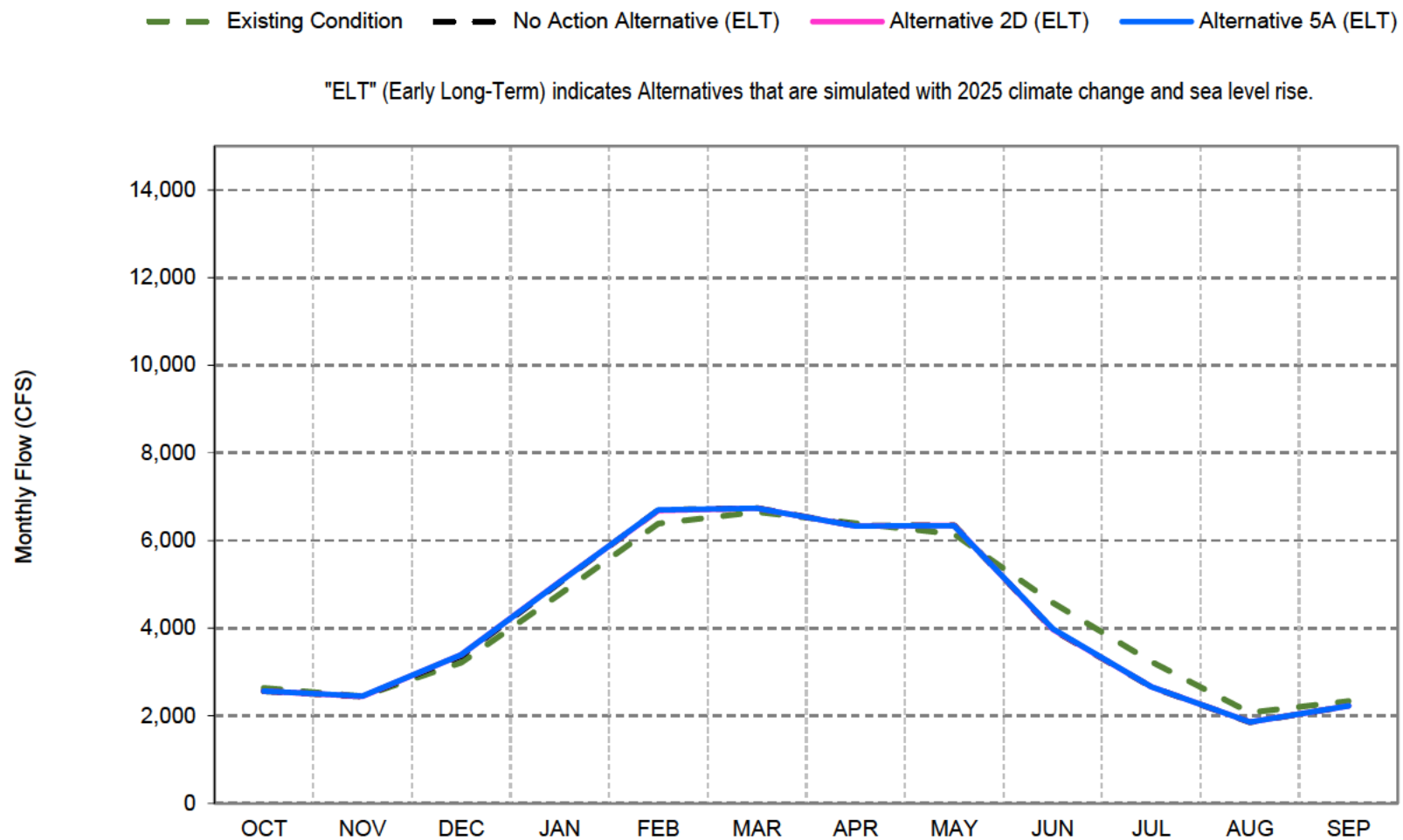


**Figure 4.4.2-4**  
**Sacramento River Flow at Freeport for Alternative 2D and Alternative 5A, Long-Term Average**

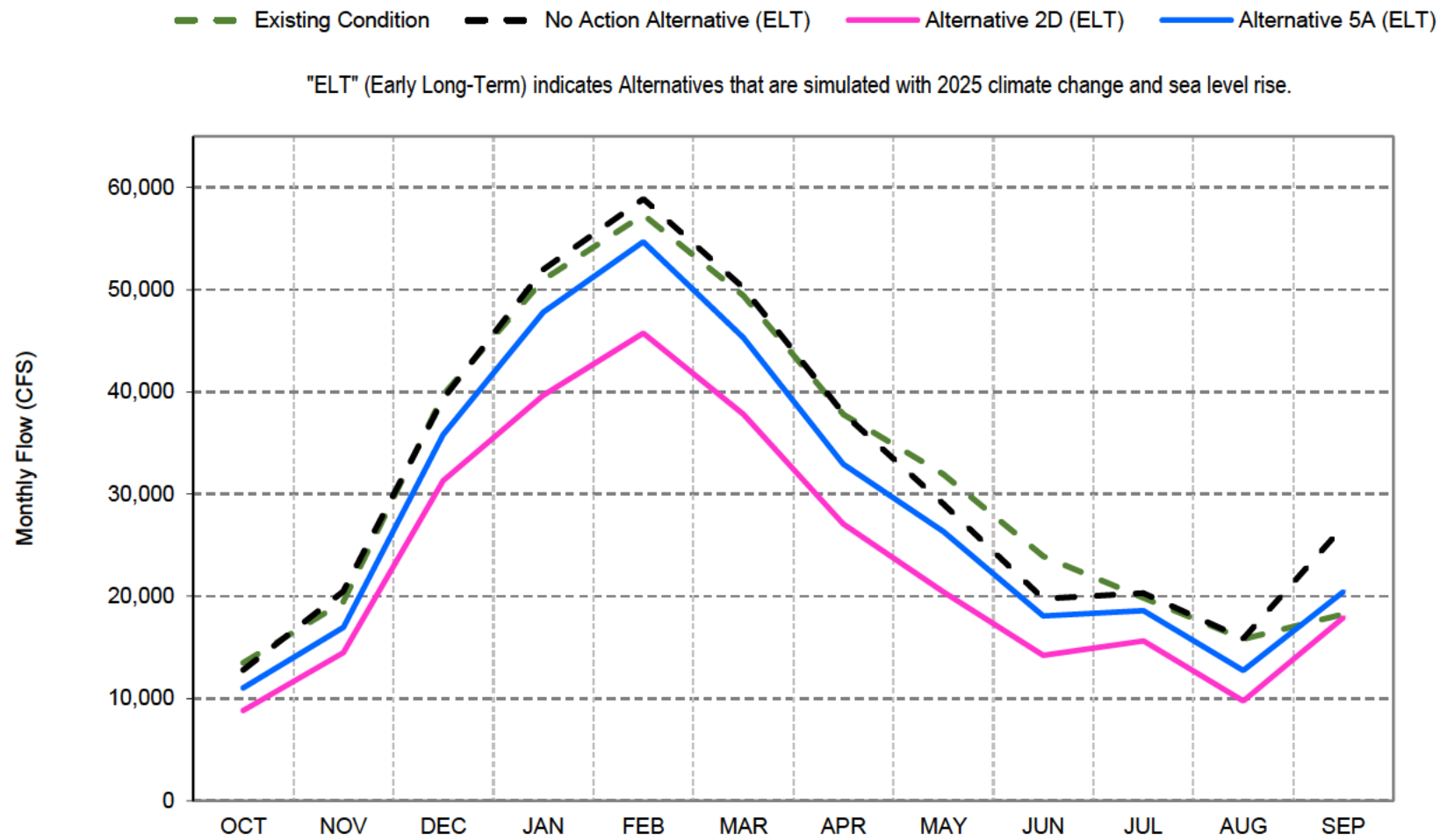


(Wet Year defined by San Joaquin River Basin 60-20-20 Index)

**Figure 4.4.2-5**  
**San Joaquin River Flow at Vernalis for Alternative 2D and Alternative 5A, Average Wet Years**

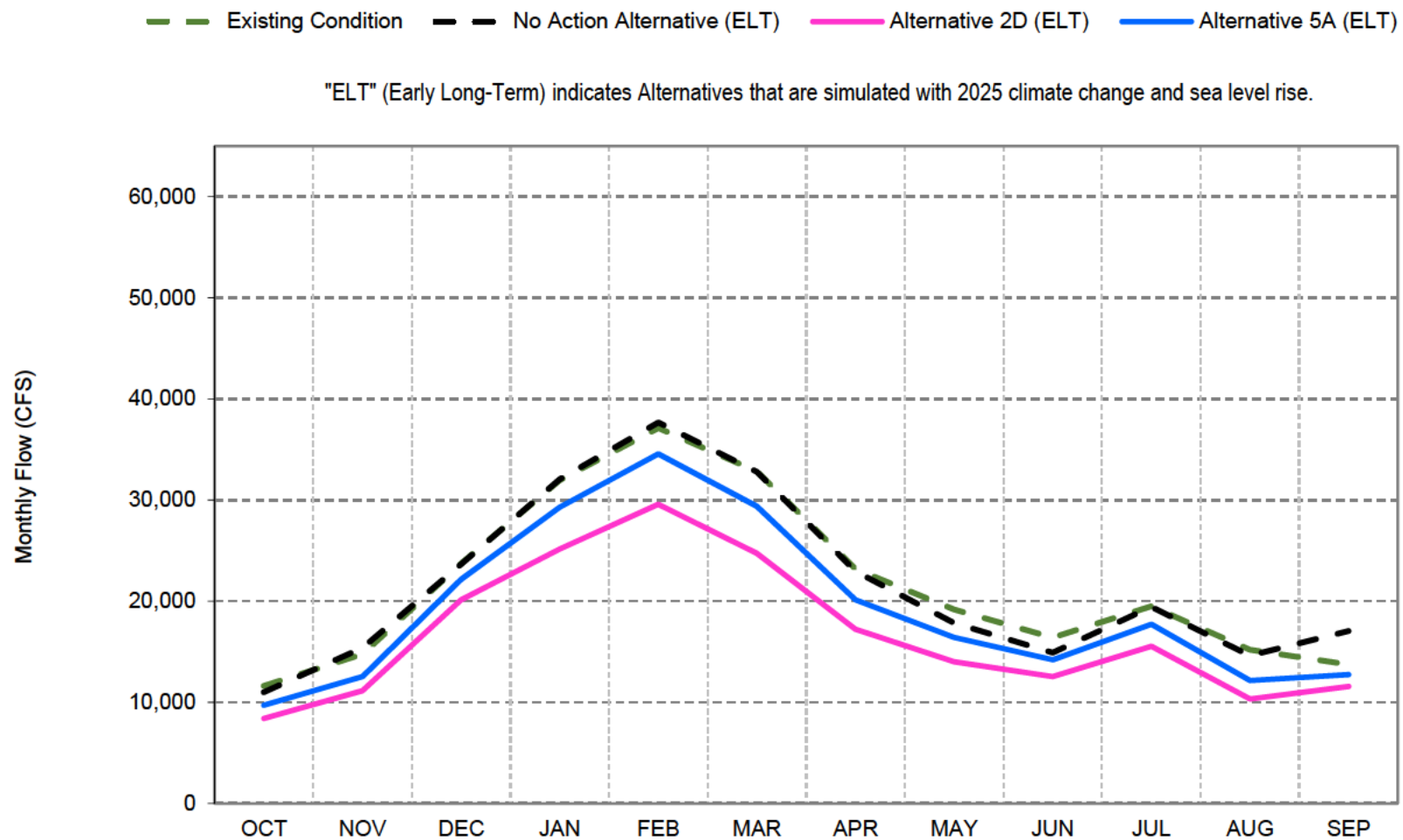


**Figure 4.4.2-6**  
**San Joaquin River Flow at Vernalis for Alternative 2D and Alternative 5A, Long-Term Average**

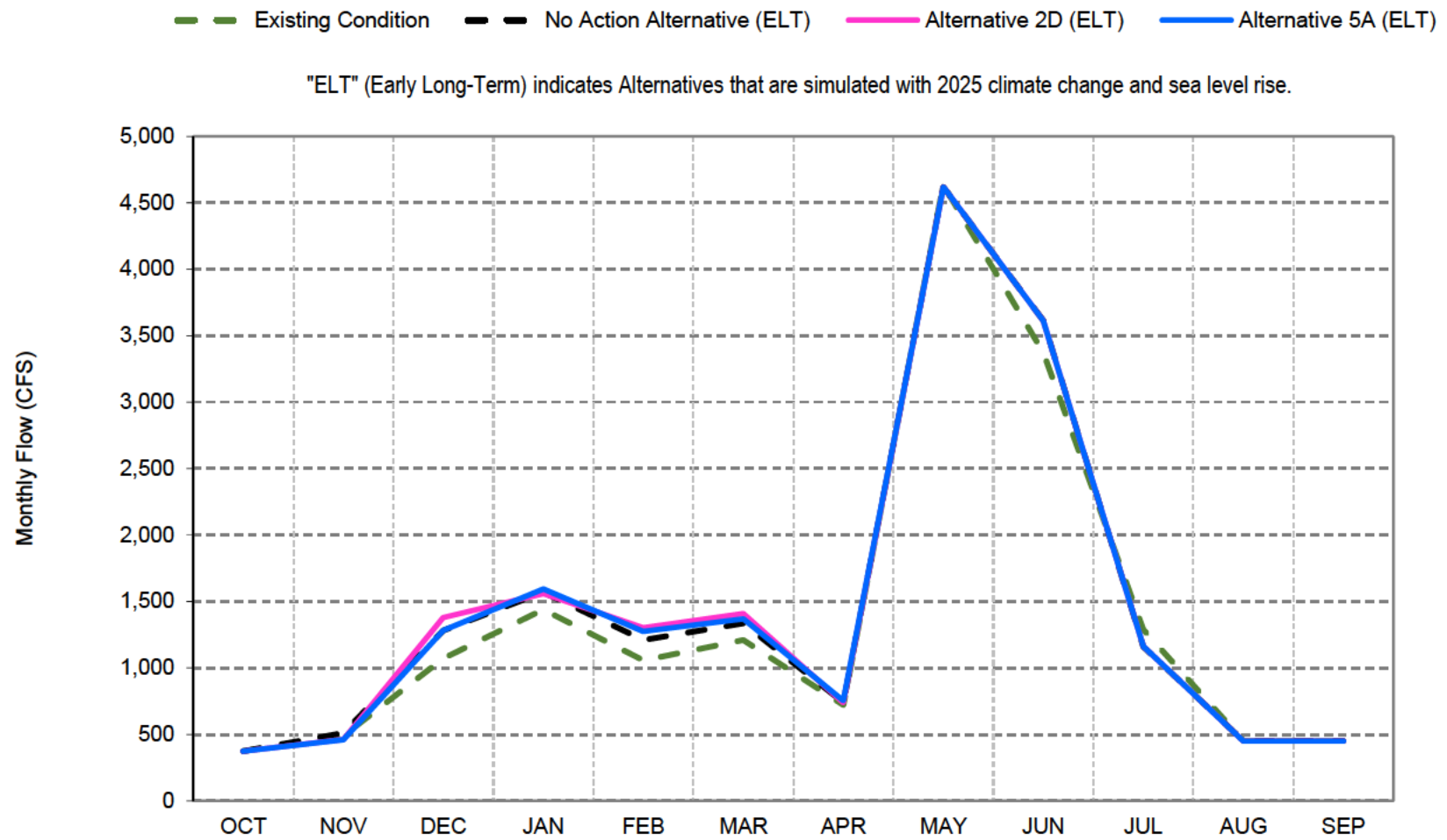


(Wet Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.4.2-7**  
**Sacramento River Flow downstream of North Delta Intakes for Alternative 2D and Alternative 5A, Average Wet Years**

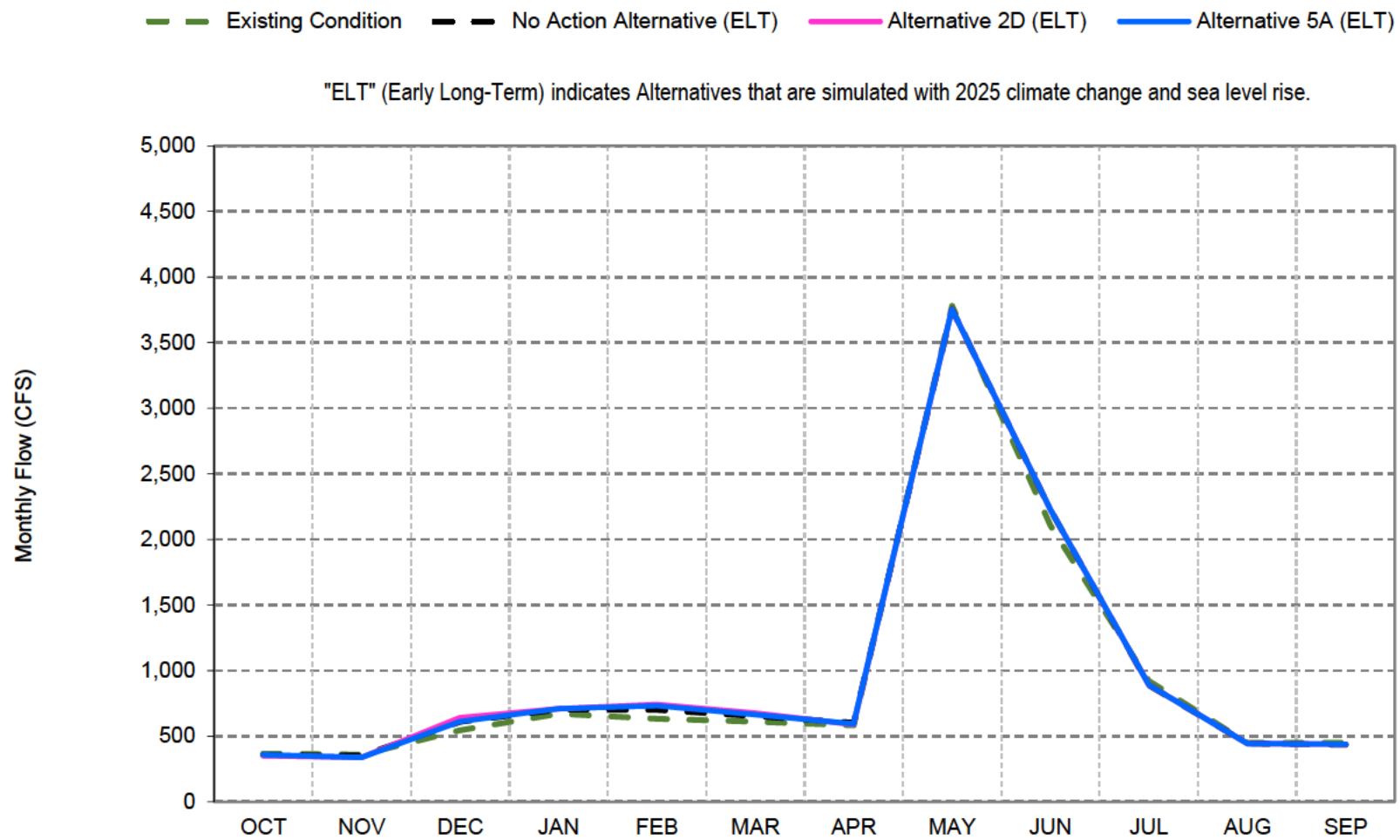


**Figure 4.4.2-8**  
**Sacramento River Flow downstream of North Delta Intakes for Alternative 2D and Alternative 5A, Long-Term Average**



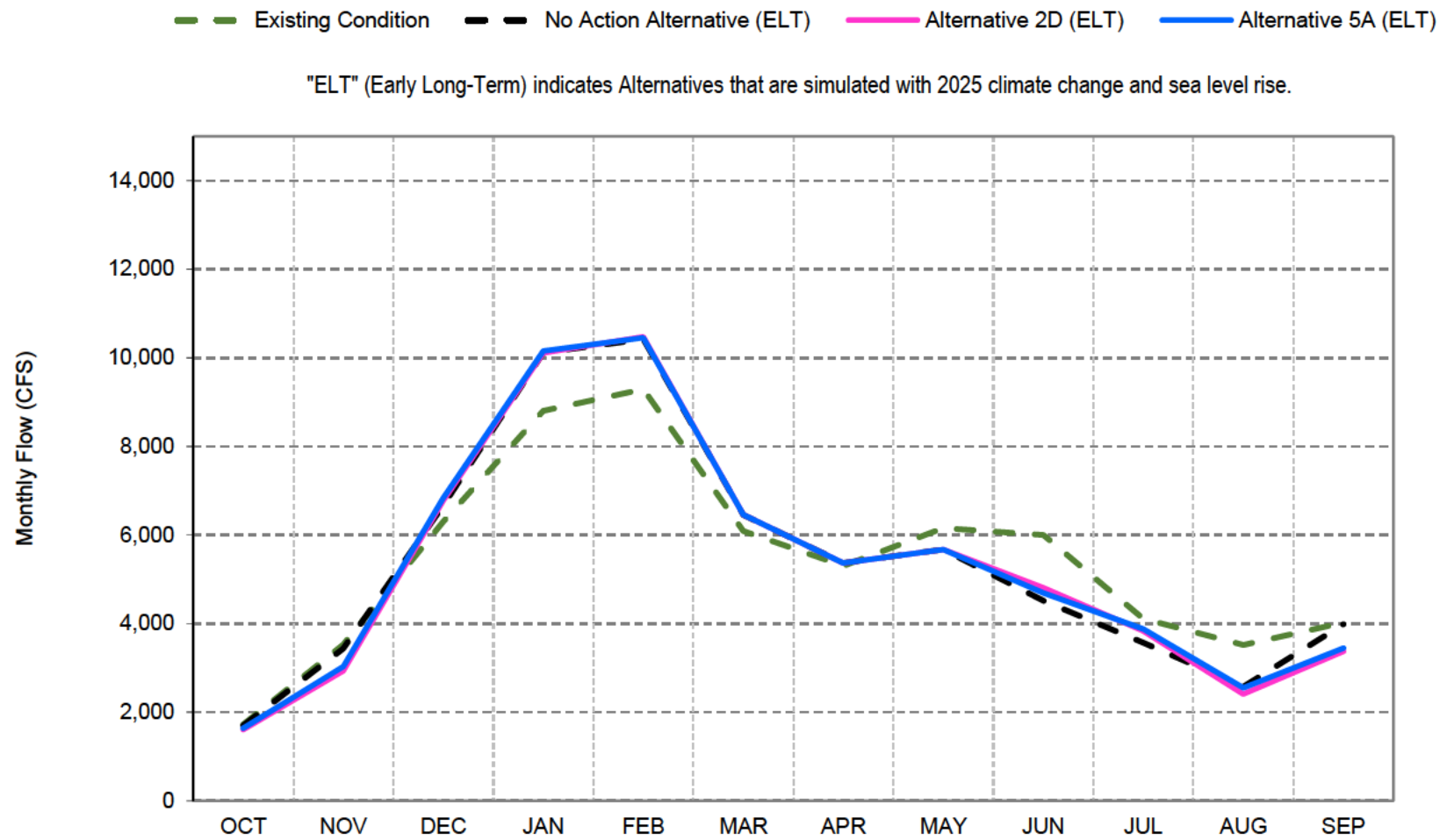
(Wet Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.4.2-9**  
**Trinity River Flow below Lewiston Dam for Alternative 2D and Alternative 5A, Average Wet Years**



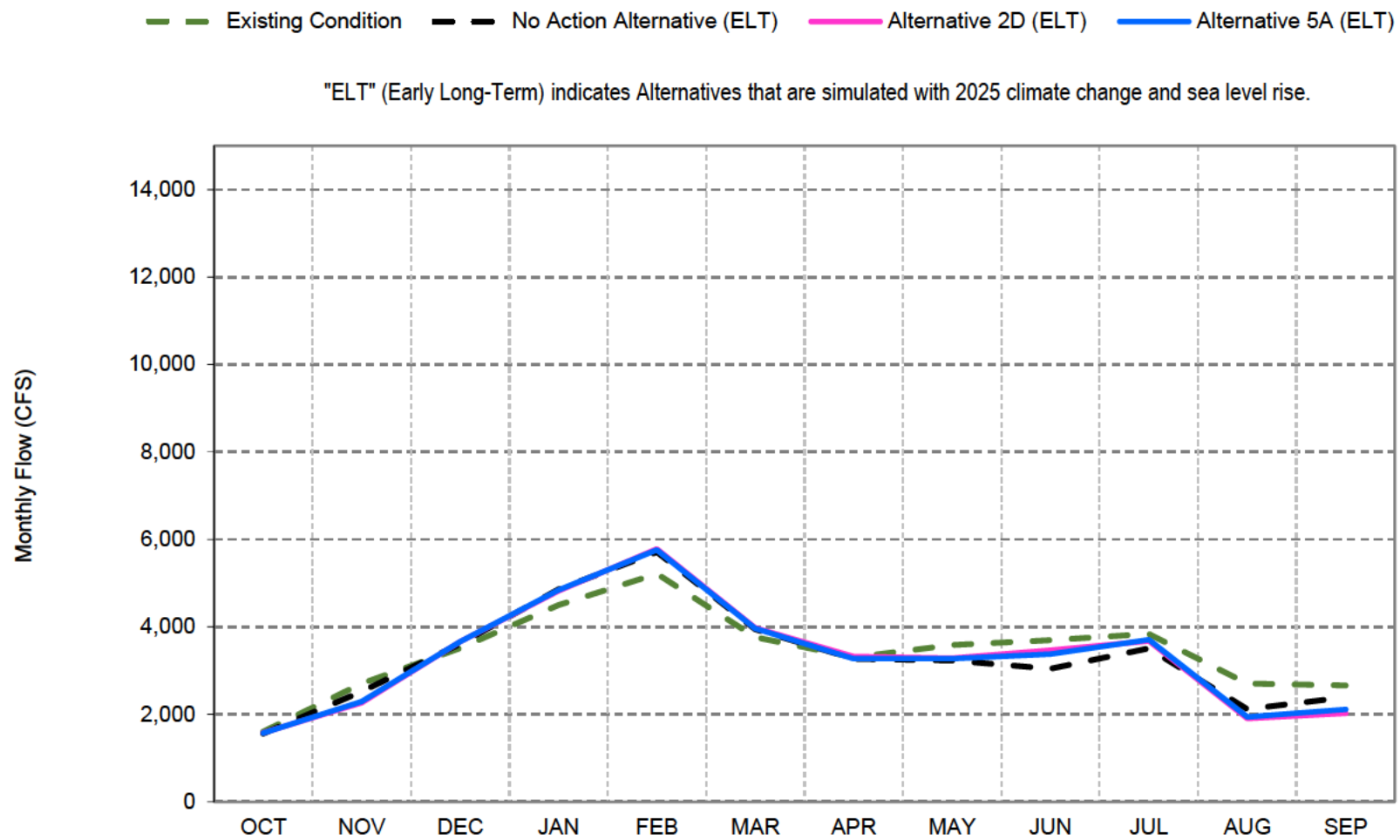
**Figure 4.4.2-10**  
**Trinity River Flow below Lewiston Dam for Alternative 2D and Alternative 5A, Long-Term Average**



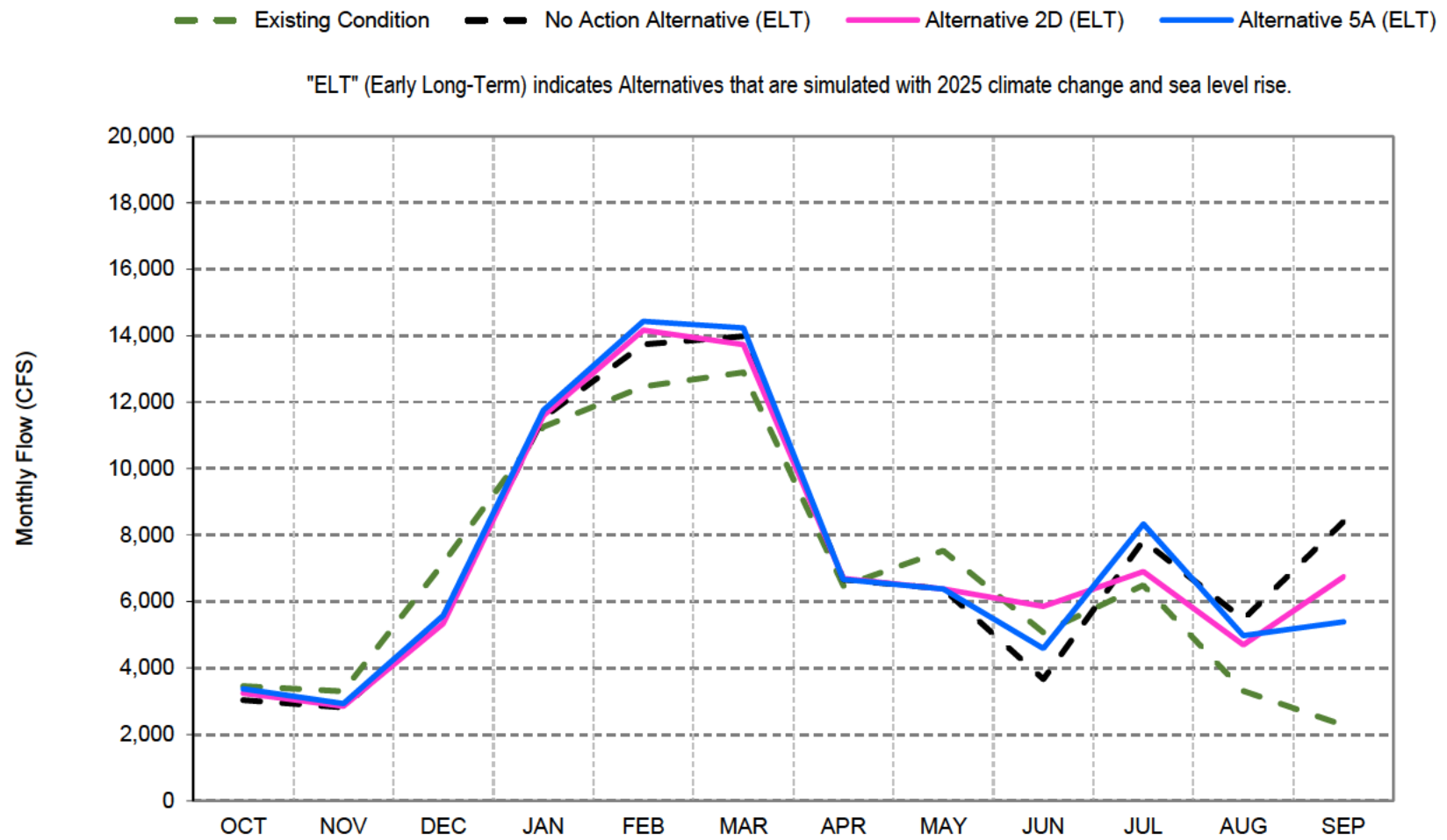


(Wet Year defined by Sacramento Valley 40-30-30 Index)

**Figure 4.4.2-11**  
**American River Flow below Nimbus Dam for Alternative 2D and Alternative 5A, Average Wet Years**

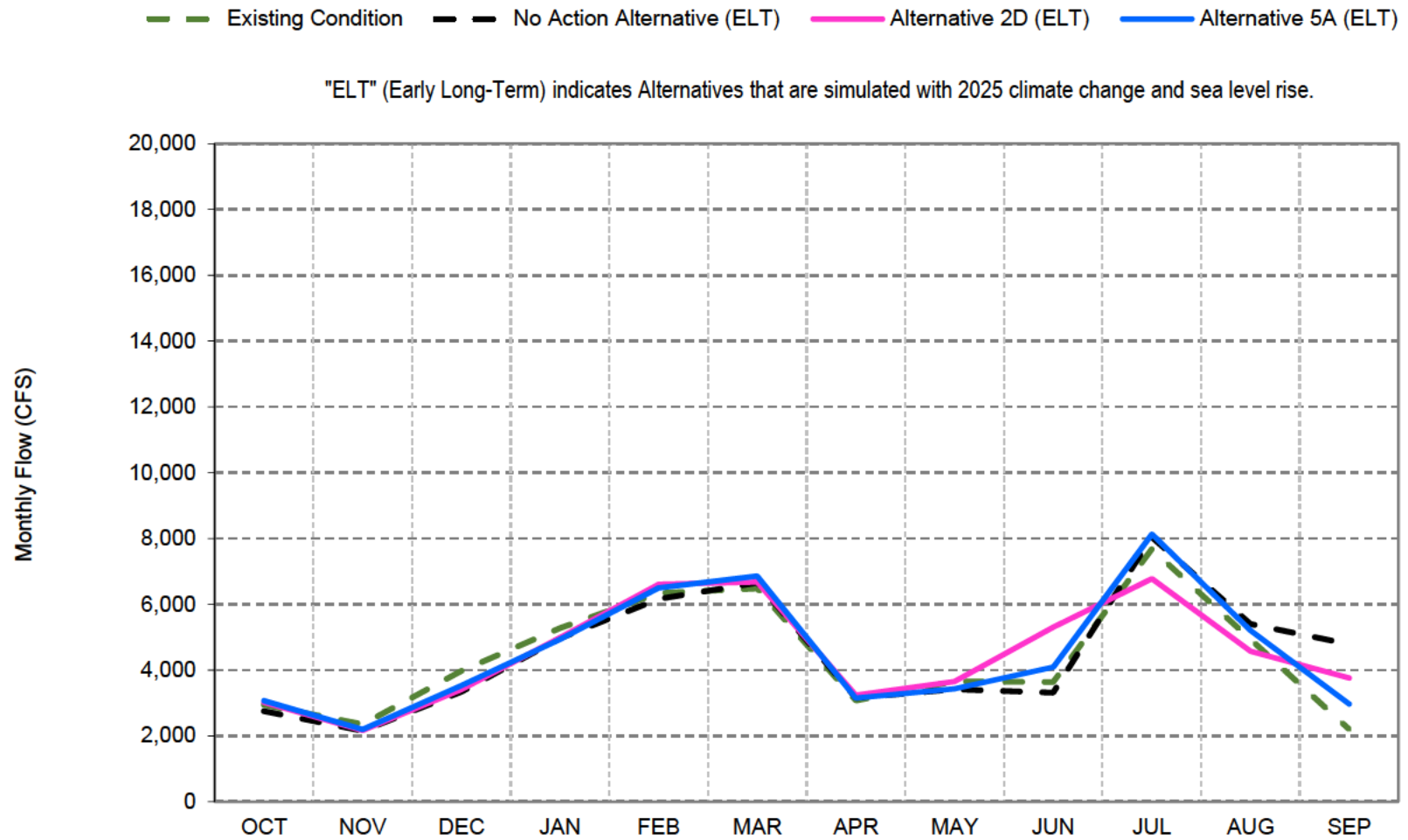


**Figure 4.4.2-12**  
**American River Flow below Nimbus Dam for Alternative 2D and Alternative 5A, Long-Term Average**

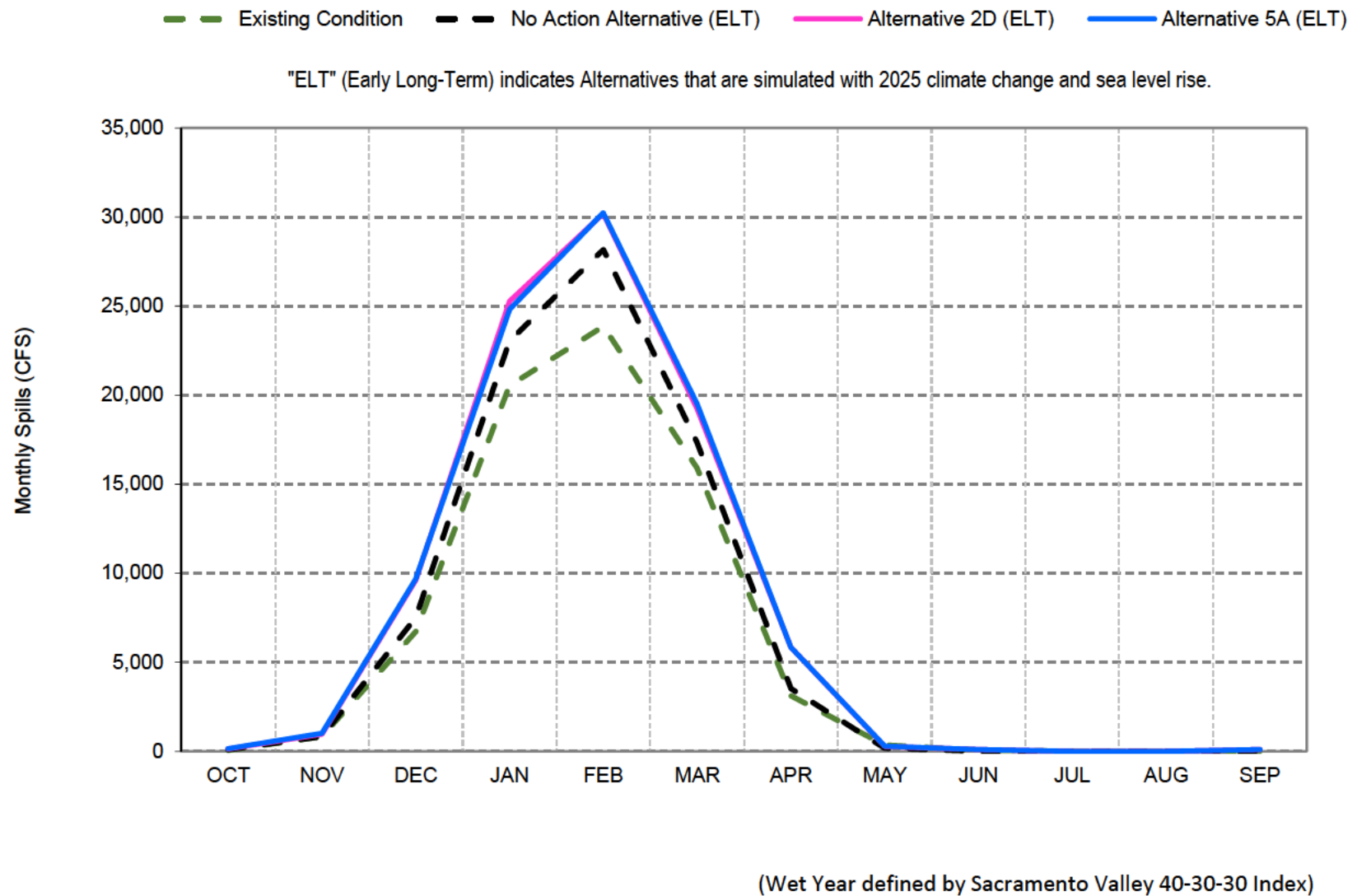


(Wet Year defined by Sacramento Valley 40-30-30 Index)

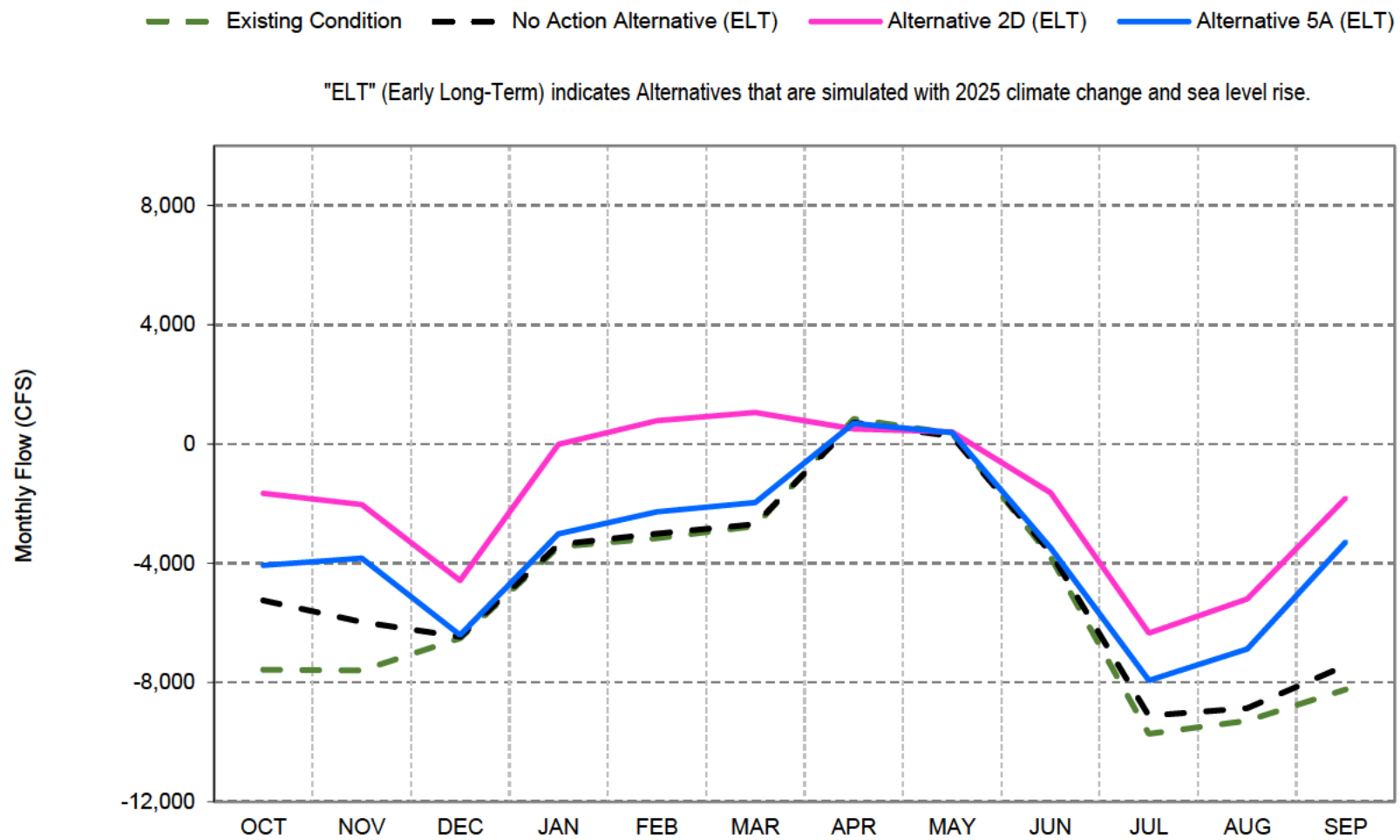
**Figure 4.4.2-13**  
**Feather River Flow at Thermalito Dam for Alternative 2D and Alternative 5A, Average Wet Years**



**Figure 4.4.2-14**  
**Feather River Flow at Thermalito Dam for Alternative 2D and Alternative 5A, Long-Term Average**



**Figure .4.2-15**  
**Flow Spills into Yolo Bypass at Fremont Weir for Alternative 2D and Alternative 5A, Average Wet Years**



**Figure 4.4.2-16**  
**Old and Middle River Flows for Alternative 2D and Alternative 5A, Long-Term Average**